

Brook Mine 2020 Bond

Prepared by:
WWC Engineering

January 2020

DEQ Exhibit 7

DEQ Ex. 7-001

TFNS 2/025
RECD JAN 27, 2020



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A. Summary

The following summarizes the reclamation performance bond cost estimate for RAMACO's Brook Mine. This bond estimate was established in accordance with Wyoming Department of Environmental Quality/Land Quality Division (WDEQ/LQD) Guideline 12 and 12A and includes all activities necessary for complete reclamation of the Brook Mine after the first year of mine operation (year 1). This submittal includes all activities necessary for:

- Reclamation of all disturbed lands,
- Environmental monitoring,
- Project management and miscellaneous costs, and
- Labor and equipment overhead and contractor profit.

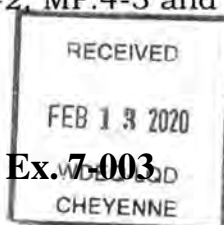
The submittal presented herein employs assumptions that are based on best professional judgment given the data currently available. The total bond estimate puts the costs to perform the required work by an independent contractor at **\$1,358,637** during which the Brook Mine would be reclaimed to a condition agreed upon by WDEQ/LQD that would take the site to its approved postmining land uses.

B. Bond Calculation

A summary of the reclamation bond is provided in **Table 1**. Reclamation activities included in this summary include area bond, incremental bond and other miscellaneous items associated with surface coal mine bond estimates.

C. Area Bond

It is anticipated that at the end of year 1 of mining, topsoil, coal, and overburden removal will have occurred in the SM-1 area. In addition, topsoil removal of the staging area will have occurred. The area bond covers the costs of backfilling, rough grading, and final grading of the SM-1 mine area in accordance with the procedures established in the Reclamation Plan of the current permit. Topsoil removal, overburden removal, and coal removal is depicted on Mine Plan Exhibits MP.4-2, MP.4-3 and MP.4-1, respectively. The



reclamation bond was calculated for the anticipated condition of mining in the end of year 1 of operations. **Exhibit 1** depicts the projected reclamation areas for the end of the year 1. Reclaimed fill and native overburden volumes were calculated using 3D grid files in AutoCAD. Details of the area bond calculations are provided in **Table 2**.

D. Incremental Bond

The incremental bond covers all costs beyond those detailed in the area bond. Costs included in the incremental bond are miscellaneous overburden redistribution, demolition, removal of monitoring structures, scarification of all compacted surfaces, topsoil redistribution, and revegetation.

Minor overburden redistribution will be required for the reclamation of SP-10 sediment pond. It is assumed the cost for reclamation of the sediment pond will include the reclamation of the associated collector ditches. **Table 3** displays the overburden redistribution calculations. Dozer and scrapers likely will be used to complete this reclamation activity.

Facility demolition/removal costs are expected for the coal storage pad for year 1 of the mining sequence. Demolition/removal costs for culverts or other associated mining structures are not expected. **Table 4** displays demolition costs associated with year 1 of mining.

The details for reclamation of groundwater monitoring, borehole sites and surface water monitoring sites are included in **Table 5**. The environmental monitoring and borehole sites are depicted on **Exhibit 2**.

The estimated acreage for scarification of planned disturbance through year 1 is included in **Table 6**. Scarification of compacted surfaces will likely be completed with a motor grader, in accordance with WDEQ Guideline 12.

The redistribution of topsoil will likely be completed with scrapers and/or a combination of trucks, loaders, and dozers. A topsoil depth of 18 inches was used as the replacement depth for estimating purposes based on the estimated

volume available from year 1 topsoil salvaging in Mine Plan Table MP.4-1. The volumes of topsoil redistribution are provided in **Table 7**. Topsoil redistribution is depicted in **Exhibit 1**.

The revegetation of all disturbed areas is detailed in **Table 8**. Revegetation costs were based on WDEQ Guideline 12A. Once the mine is in operation a better value will be determined.

E. Miscellaneous Contingency Items

In accordance with the recommendations of WDEQ Guideline 12A, miscellaneous bond costs such as mobilization, de-mobilization, and profit will likely be higher for small, remote projects. The miscellaneous contingency items are depicted in **Table 9**.

F. Total Bond Estimate

The total estimated bond for the Brook Mine is depicted in **Table 1**. This total cost includes all direct and indirect costs in accordance with WDEQ Guideline 12 and 12A. **Exhibit 1** depicts the areas requiring reclamation for year 1 for the Brook Mine.

G. References

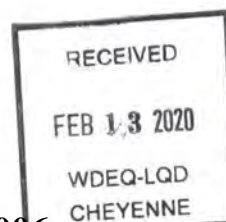
- Wyoming Department of Environmental Quality/Land Quality Division (WDEQ/LQD). (2019, December). *Guideline Number 12: Standardized Reclamation Performance Bond Format and Cost Calculation Methods*. Retrieved 2020, from [http://deq.wyoming.gov/media/attachments/Land%20Quality/Guidelines/Guideline_12A_Small_Mine_Bond_Calculations_\(11_2019\).pdf](http://deq.wyoming.gov/media/attachments/Land%20Quality/Guidelines/Guideline_12A_Small_Mine_Bond_Calculations_(11_2019).pdf)
- Wyoming Department of Environmental Quality/Land Quality Division (WDEQ/LQD). (2019, December). *Guideline Number 12A: Standardized Reclamation Performance Bond Calculation Methods for NonCoal Small Scale Mining Operations*. Retrieved 2020, from [http://deq.wyoming.gov/media/attachments/Land%20Quality/Guidelines/Guideline_12A_Small_Mine_Bond_Calculations_\(11_2019\).pdf](http://deq.wyoming.gov/media/attachments/Land%20Quality/Guidelines/Guideline_12A_Small_Mine_Bond_Calculations_(11_2019).pdf)

Table 1. Reclamation Bond Summary through the end of Year 1.

Item	Cost
Area Bond	
Backfill	\$ 487,658
Rough Grading Backfill	\$ 1,046
Finish Grading	\$ 1,416
Area Bond Subtotal	\$ 490,121
Incremental Bond	
Overburden Redistribution	\$ 31,734
Demolition	\$ 240,146
Environmental Monitoring	\$ 42,830
Scarification	\$ 5,545
Topsoil	\$ 227,947
Revegetation	\$ 31,470
Incremental Bond Subtotal	\$ 579,672
Reclamation Bond Subtotal	\$ 1,069,793
Miscellaneous Contingency	\$ 288,844
Total Estimated Bond	\$ 1,358,637

February 2020

DEQ Ex. 7-006



Summary



RAMA

Brown Mine

Table 2. Area Bond Estimate

Description	Unit	Base Quantity	Swell Factor	Final Quantity	Unit Cost	Subtotal	Comments
Backfill (Reclaimed Fill)	yd ³	519,648	116%	602,792	\$ 0.809	\$ 487,658.47	WDEQ/LQD Guideline 12 (Dec 19), Appendix E, D9T Dozer, 400 ft. distance, level grade.
Rough Grading Backfill	ac	-	-	24.6	\$ 42.52	\$ 1,045.99	WDEQ/LQD Guideline 12 (Dec 19), Appendix M, 854G Rubber Tire Dozer
Final Grading	ac	-	-	24.6	\$ 57.57	\$ 1,416.22	WDEQ/LQD Guideline 12 (Dec 19), Appendix G, 16M Motor Grader
Total Area Bond Estimate						\$ 490,120.68	

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Area Bond

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Br... Mine

Table 3. Overburden Redistribution Estimate

Description	Unit	Base Quantity	Swell Factor	Final Quantity	Unit Cost	Subtotal	Comments
Sediment Ponds							
Sediment Pond SP-10	yd ³	39,226	100%	39,226	\$ 0.809	\$ 31,733.83	WDEQ/LQD Guideline 12 (Dec 19), Appendix E, D9T Dozer, 400 ft. distance, level grade.
Total Overburden Redistribution Estimate						\$ 31,733.83	

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Overburden

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Br Mine

Table 4. Demolition Estimate

Description	Unit	Final Quantity	Unit Cost	Subtotal	Comments
Fences	lf	NA	\$ 0.30	-	WDEQ/LQD Guideline 12 (Dec 19), Appendix H.
Powerlines	lf	NA	\$ -	-	
Hard-surfaced roads	ac	NA	\$ 663.14	-	WDEQ/LQD Guideline 12 (Dec 19), Appendix I, D9T Dozer.
Bridges	ea	NA	\$ -	-	
Abandoned Equipment	ea	NA	\$ -	-	
Railroad	lf	NA	\$ 8.79	-	WDEQ/LQD Guideline 12 (Dec 19), Appendix K.
Facility Buildings - Demolition	ft ²	262,667	\$ 0.76	\$ 199,626.77	WDEQ/LQD Guideline 12 (Dec 19), Appendix K.
Facility Buildings - Removal	yd ³	4,864	\$ 8.33	\$ 40,518.79	WDEQ/LQD Guideline 12 (Dec 19), Appendix K.
Mineral Handling Facilities	-	NA	\$ -	-	
Culverts¹					
Culverts ¹	lf	NA	\$ 5.60	-	WDEQ/LQD Guideline 12 (Dec 19), Appendix J.
Total Demolition Estimate				\$ 240,145.55	

Note: NA: Not Available

¹ Unit cost based on 48 inch diameter culvert.TFNS 2/025
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Demolition

Table 5. Environmental Monitoring Reclamation Costs

Groundwater Monitoring and Borehole Sites ¹				
Location ID	Depth (ft)	Unit Cost	Incidental Costs ³	Subtotal
578510-CRN	91	\$ 3.00	\$ 200.00	\$ 473.00
578510-MST	146	\$ 3.00	\$ 200.00	\$ 638.00
578511-CRN	128	\$ 3.00	\$ 200.00	\$ 584.00
578511-MST	157	\$ 3.00	\$ 200.00	\$ 671.00
578512-CRN	62	\$ 3.00	\$ 200.00	\$ 386.00
578512-MST	115	\$ 3.00	\$ 200.00	\$ 545.00
578512-AL	22	\$ 3.00	\$ 200.00	\$ 266.00
578513-CRN	116	\$ 3.00	\$ 200.00	\$ 548.00
578513-MST	142	\$ 3.00	\$ 200.00	\$ 626.00
578513-AL	22	\$ 3.00	\$ 200.00	\$ 266.00
578513-OVB-1	75	\$ 3.00	\$ 200.00	\$ 425.00
578408-CRN	98	\$ 3.00	\$ 200.00	\$ 494.00
578408-MST	118	\$ 3.00	\$ 200.00	\$ 554.00
578417-CRN	141	\$ 3.00	\$ 200.00	\$ 623.00
578417-MST	163	\$ 3.00	\$ 200.00	\$ 689.00
578418-CRN	153	\$ 3.00	\$ 200.00	\$ 659.00
578418-MST	183	\$ 3.00	\$ 200.00	\$ 749.00
578418-AL	27	\$ 3.00	\$ 200.00	\$ 281.00
578409-CRN	109	\$ 3.00	\$ 200.00	\$ 527.00
578409-CRN-OB	110	\$ 3.00	\$ 200.00	\$ 530.00
578409-MST	122	\$ 3.00	\$ 200.00	\$ 566.00
578409-MST-OB	122	\$ 3.00	\$ 200.00	\$ 566.00
578409-MST-UB	142	\$ 3.00	\$ 200.00	\$ 626.00
578415-SPL-1	62	\$ 3.00	\$ 200.00	\$ 386.00
578415-SPL-2	120	\$ 3.00	\$ 200.00	\$ 560.00
578415-CRN-MST	182	\$ 3.00	\$ 200.00	\$ 746.00
578421-3-MAS	135	\$ 3.00	\$ 200.00	\$ 605.00
Ambre 02	120	\$ 2.00	\$ 70.00	\$ 310.00
Ambre 03	96	\$ 2.00	\$ 70.00	\$ 262.00
Ambre 04	120	\$ 3.00	\$ 70.00	\$ 430.00
R-12001	121	\$ 2.00	\$ 70.00	\$ 312.00
R-12002	162	\$ 2.00	\$ 70.00	\$ 394.00
R-12003	142	\$ 2.00	\$ 70.00	\$ 354.00
R-12004	240	\$ 3.00	\$ 70.00	\$ 790.00
R-12005	240	\$ 2.00	\$ 70.00	\$ 550.00
R-12006	300	\$ 3.00	\$ 70.00	\$ 970.00
R-12007	39	\$ 2.00	\$ 70.00	\$ 148.00
R-12008	201	\$ 3.00	\$ 70.00	\$ 673.00
R-12009A	65	\$ 3.00	\$ 70.00	\$ 265.00
R-12010	120	\$ 2.00	\$ 70.00	\$ 310.00
R-12011	92	\$ 3.00	\$ 70.00	\$ 346.00
R-12012	136	\$ 3.00	\$ 70.00	\$ 478.00
R-12013	300	\$ 2.00	\$ 70.00	\$ 670.00
R-12014	220	\$ 2.00	\$ 70.00	\$ 510.00
R-12015	221	\$ 3.00	\$ 70.00	\$ 733.00
R-12018D	142	\$ 2.00	\$ 70.00	\$ 354.00

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DEQ Ex. 7-010

Monitoring 1

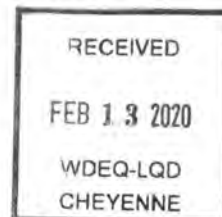
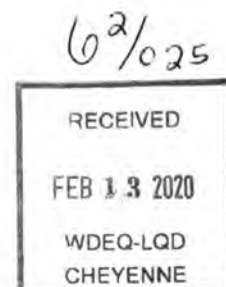


Table 5. Environmental Monitoring Reclamation Costs (Cont).

Groundwater Monitoring and Borehole Sites¹				
Location ID	Depth (ft)	Unit Cost	Incidental Costs³	Subtotal
R-12019D	140	\$ 2.00	\$ 70.00	\$ 350.00
R-12020	494	\$ 2.00	\$ 70.00	\$ 1,058.00
R-13-011	222	\$ 2.00	\$ 70.00	\$ 514.00
R-13-012	202	\$ 3.00	\$ 70.00	\$ 676.00
R-13-016	904	\$ 2.00	\$ 70.00	\$ 1,878.00
R-13-018	141	\$ 2.00	\$ 70.00	\$ 352.00
R-13-019	210	\$ 2.00	\$ 70.00	\$ 490.00
R-13-020	302	\$ 3.00	\$ 70.00	\$ 976.00
R-13-023	202	\$ 2.00	\$ 70.00	\$ 474.00
R-13-024	983	\$ 3.00	\$ 70.00	\$ 3,019.00
Groundwater Monitoring and Borehole Sites Subtotal				\$ 33,235.00
Mobilization				\$ 1,000.00
Groundwater Monitoring and Borehole Sites Total				\$ 34,235.00
Surface Water Monitoring Sites²				
SM578418-SW-1				\$ 2,148.80
SM578512-SW-1				\$ 2,148.80
SM578409-SW-1				\$ 2,148.80
SM578415-SW-1				\$ 2,148.80
Surface Water Monitoring Sites Total				\$ 8,595.20

Total Environmental Monitoring Reclamation Estimate \$ 42,830.20

- Notes: ¹ Bond estimate based on WDEQ Appendix L of Guideline 12.
² Bond estimate based on WDEQ Appendix N of Guideline 12.
³ Incidental costs consist of: small site grading and seeding, capping, location fee, casing removal (monitor wells), and concrete pedestal disposal (monitor wells).



RAMA

Brook Mine

Table 6. Scarification Estimate

Description	Unit	Final Quantity	Unit Cost	Subtotal	Comments
Currently affected area	ac	0	\$ 52.86	\$ -	WDEQ/LQD Guideline 12 (Dec 19), Appendix P.
Planned disturbance through Year 1	ac	104.9	\$ 52.86	\$ 5,545.01	WDEQ/LQD Guideline 12 (Dec 19), Appendix P.

Total Scarification Estimate \$ 5,545.01



February 2020

DEQ Ex. 7-012

Scarification



RAMA

Br Mine

Table 7. Topsoil Estimate

Description	Unit	Base Quantity	Unit	Final Quantity ¹	Unit Cost	Subtotal	Comments
FAC	ac	72.9	yd ³	177,500	\$ 0.977	\$ 173,417.50	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 2,000 ft. approximate distance, level grade.
SM-1 HR	ac	1.8	yd ³	4,400	\$ 0.759	\$ 3,339.60	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 1,000 ft. approximate distance, level grade.
Rec Block-1	ac	7.1	yd ³	17,300	\$ 0.759	\$ 13,130.70	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 1,000 ft. approximate distance, level grade.
Rec Block-2	ac	9.4	yd ³	22,700	\$ 0.871	\$ 19,771.70	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 1,500 ft. approximate distance, level grade.
Rec Block-3	ac	6.4	yd ³	15,500	\$ 0.871	\$ 13,500.50	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 1,500 ft. approximate distance, level grade.
Sediment Ponds							
SP-10	ac	2.0	yd ³	4,900	\$ 0.977	\$ 4,787.30	WDEQ/LQD Guideline 12 (Dec 19), Appendix C, 637G Scraper, 2,000 ft. approximate distance, level grade.
Total Topsoil Estimate \$						227,947.30	

Note: ¹ Topsoil replacement depth based on the estimated volume available from year 1 topsoil salvaging in Mine Plan Table MP.4-1.

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DEQ Ex. 7-013

Topsoil

RAMA

Brown Mine

Table 8. Revegetation Estimate

Description	Unit	Final Quantity	Unit Cost	Subtotal	Comments
Planned disturbance through Year 1	ac	104.9	\$ 300.00	\$ 31,470.00	WDEQ/LQD Guideline 12A (Dec 19), II(i) Seeding Costs
Total Revegetation Estimate				\$ 31,470.00	

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DEQ Ex. 7-014

Revegetation

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Brook Mine

Table 9. Miscellaneous Contingency Items

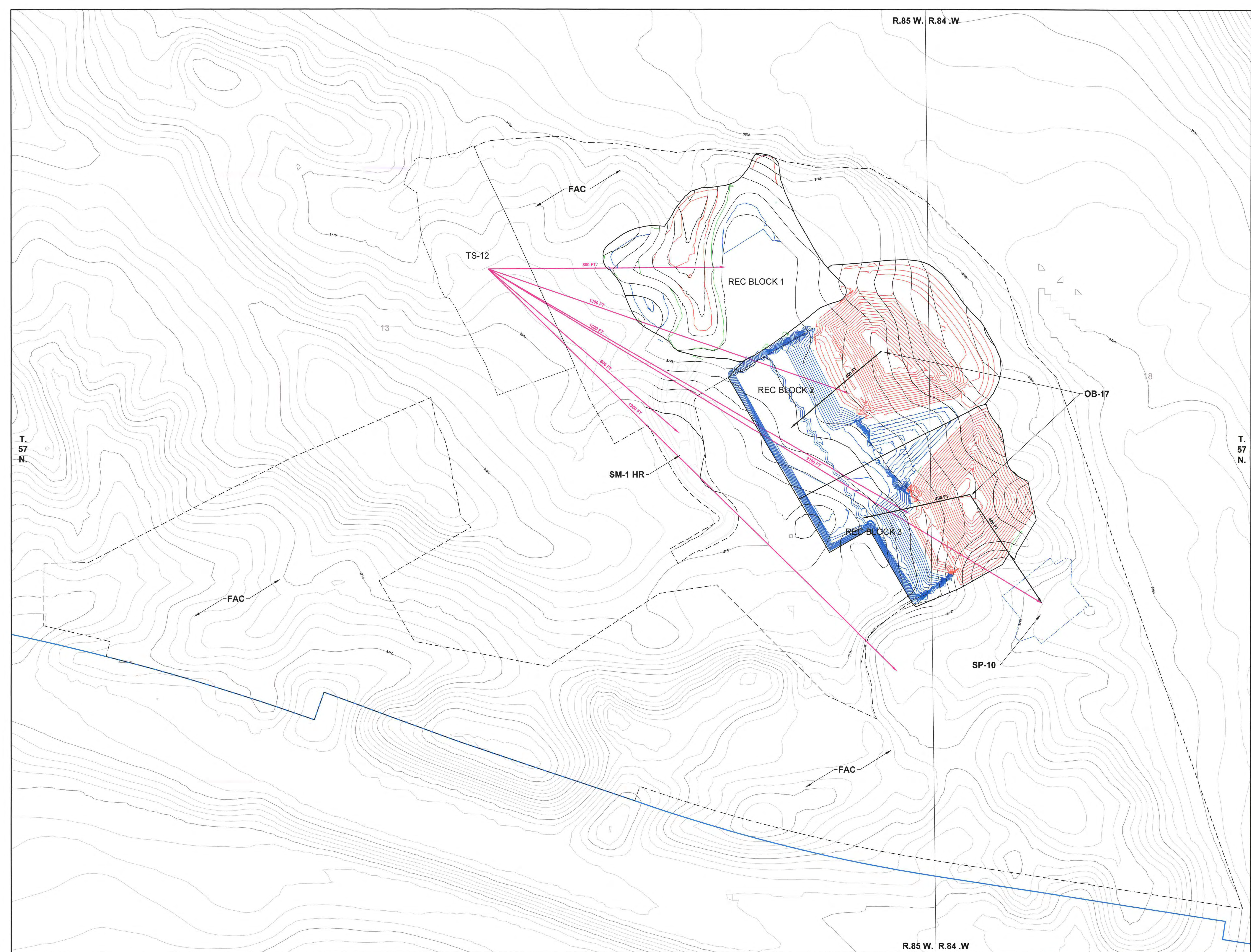
Item	Cost	Description
Contingency Fees for Site Cost Reclamation Estimate ≥ \$500,000 (25 Percent)	\$ 267,448.15	WDEQ/LQD Guideline 12A (Dec 19), V. Contingency Fees
On site monitoring program for ten years after completion of final reclamation project (2 Percent)	\$ 21,395.85	WDEQ/LQD Guideline 12 (Dec 19), II(b)(12)(e) Miscellaneous Items
Total Contingency Estimate	\$ 288,844.00	



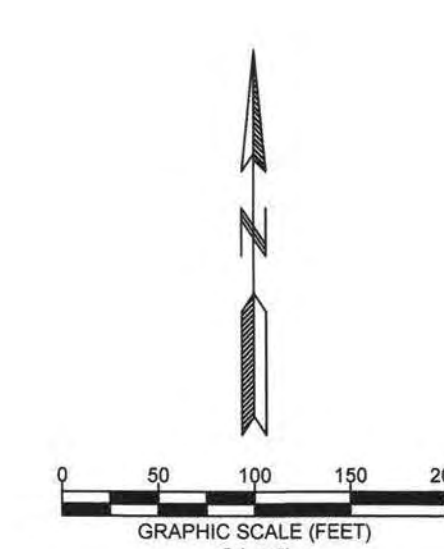
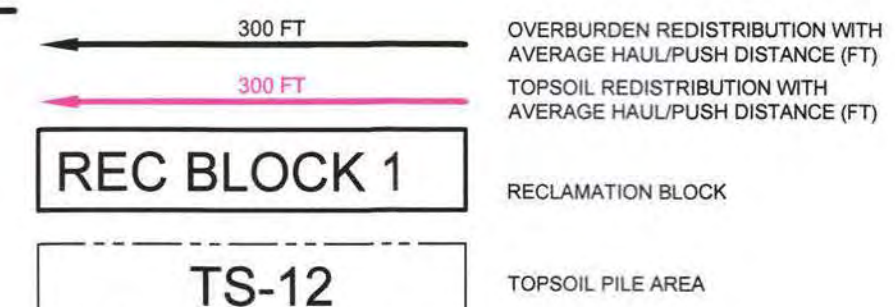
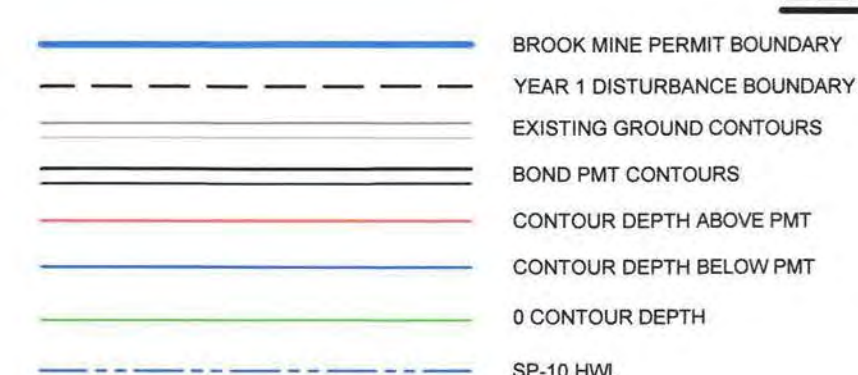
February 2020





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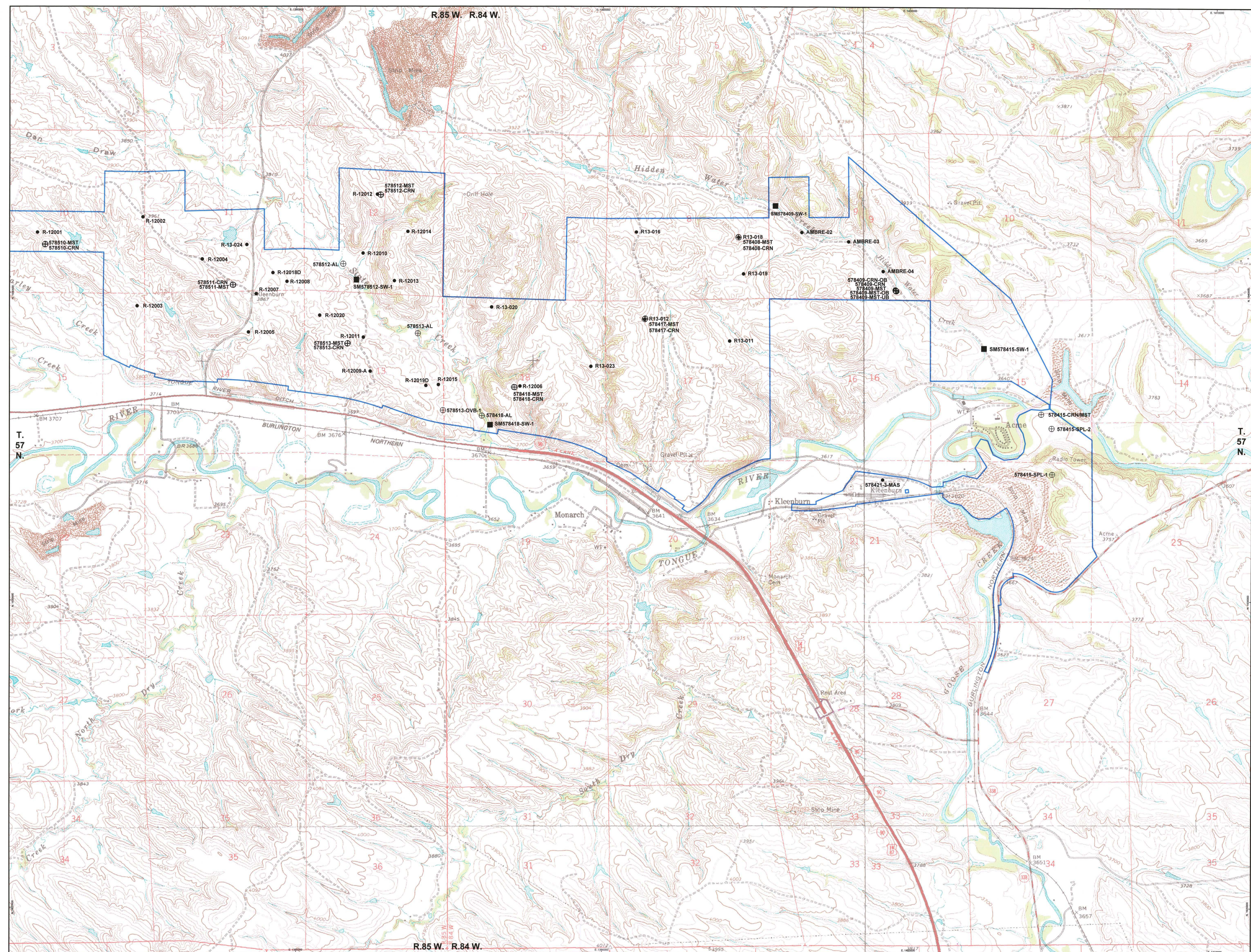
Contingency



LEGEND

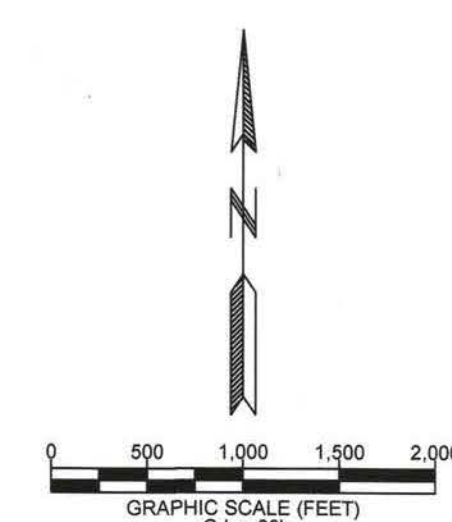


 		 BROOK MINE SHERIDAN COUNTY, WY	
		1101 SUGARVIEW DR, STE. 201 SHERIDAN, WY 82801	
REVISIONS		EXHIBIT 1	TFNS 2/025 RECD JAN 27, 2028
Date	Description		
12/19	ROUND 11 COMMENTS		
01/20/2028	ROUND 12 COMMENTS		
		Drawn By: DCJ Checked By: JGB Date: 11/2/15	 WWC ENGINEERING www.wwcengineering.com
FILE: BOND.dwg			



LEGEND

- | | | |
|----------------------|---|-----------------------------------|
| 578512-AL |  | BROOK MINE PERMIT BOUNDARY |
| DH578418-4 | | MONITOR WELL |
| SM578418-SW-1 | | EXPLORATION HOLES |
| | | SURFACE WATER MONITORING LOCATION |



REVISIONS	
Date	Description
01/2020	ROUND 12 COMMENTS
02/2020	ROUND 12 COMMENTS

EXHIBIT 2

**ENVIRONMENTAL MONITORING
& BOREHOLE SITES**

Drawn By:	SEA
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Checked By:	JGB
Date:	01/21/2022



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~~DEO Ex. 7-017~~

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NOTE: DO NOT MODIFY THIS FORM. Use typewriter or print neatly in blue ink. Submit two (2) copies one of which must be an original Form 1 as supplied by the Department of Environmental Quality, Land Quality Division.

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION
APPLICATION
FOR
PERMIT TO MINE
OR
AMENDMENT TO A PERMIT TO MINE
OR
COAL PERMIT RENEWAL

1. (a) Name, telephone number, and mailing address of applicant:
Brook Mining Co., LLC 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 - (307) 674-8000, FAX (866) 519-5232

(b) If the applicant is a partnership, association or corporation, (circle one) the names and addresses of all managers, partners and executives directly responsible for operations in this State: Limited Liability Company

Name: Randall W. Atkins Address: 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801
Title: Manager, Chairman, Chief Executive Officer Phone No. (307) 674-8000

Name: Michael D. Bauersachs Address: 250 West Main Street, Suite 201, Lexington, KY 40507
Title: Manager, President, Secretary Phone No. (859) 244-7455

Name: _____ Address: _____
Title: _____ Phone No. _____

Name: _____ Address: _____
Title: _____ Phone No. _____

2. Name, address, and telephone number of the agent or person to whom any notice under the provisions of Wyoming Environmental Quality Act or Rules and Regulations adopted thereunder may be sent: Randall W. Atkins 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 (307) 674-8000

3. Attach the following information as part of the specific appendices:

(a) APPENDIX "A"
Names and addresses of surface and mineral owners of record within the proposed permit (amendment) area.

(b) APPENDIX "B"
(i) Names and last known addresses of the owners of record of the surface rights of the lands immediately adjacent to the proposed permit (amendment) area.
(ii) Names and last known addresses of any other persons within one-half (1/2) mile having a valid legal estate of record.
(iii) **For surface coal mining operations**, the names and last known addresses of coal ownership immediately adjacent to the proposed permit (amendment) area.

NOTE: Appendices "A" and "B" shall each be accompanied by maps showing the ownership locations required by the respective appendices. Mapping of (b)(ii) is not required.

(c) APPENDIX "C"
(i) All lands to be included in the proposed permit (amendment) area shall be tabulated by legal subdivision, section, township, range, county, and municipal corporation, if any, and the number of acres for each subdivision listed.
(ii) Lands which are to be part of the proposed permit (amendment) area, for which no right to mine is claimed shall be identified in item (c)(i) above as such and tabulated separately listing the number of acres for each legal subdivision.
(iii) Lands which are located within other permit areas shall be identified and a copy of the land use agreement with the other permittee shall be attached as part of this application.
(iv) An original United State Geological Survey topographic map, clearly outlining and identifying the lands to be within the proposed permit areas, shall be provided. Photo copies or other similar copies are not acceptable unless prior approval is obtained from the Land Quality Division.

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(d) APPENDIX "D"

A description of the land which shall include: historic and present land use; vegetative cover; annual rainfall; general directions and average velocities of the winds; indigenous wildlife; present surface water and the immediate drainage areas; valid water rights; nature and depth of the overburden, subsoil, topsoil; including a soils map; mineral seams, or other deposits; subsurface water(s) known to exist above the deepest projected depth of the mining operation.

(e) APPENDIX "E"

A map or maps with the boundary of the proposed permit (amendment) are clearly outlined and identified showing:

- (i) The lands to be affected by the mining;
- (ii) The drainage area within and surrounding the proposed permit (amendment) area;
- (iii) The location and names, where known, of all roads, railroads, public or private rights-of-way and easements, utility lines, lakes, streams, creeks, springs, and other surface water courses, oil wells, gas wells, and water wells;
- (iv) An outline of the probable limits of all areas previously disturbed or to be disturbed by underground or subsurface mining, whether active or inactive, on or immediately adjacent to the proposed permit (amendment) area;
- (v) The names, last known addresses and boundary lines of the present surface landowners and occupants on the adjacent land to be affected;
- (vi) The location, ownership, and uses of all buildings on, or on lands adjacent to, the land to be affected;
- (vii) Information presented as part of APPENDIX "D" when necessary for clarification.

4. Mineral(s) to be mined: Coal
Mining method to be used: Strip/Highwall

5. Estimated dates of commencement and termination of the proposed operation:
Start: 2020 Terminate: 2062

6. The total number of acres in the proposed permit (amendment) area and an estimate of the total number of acres to be affected by the operation:

Permit Acres	Approved Acreage to Affect	Surface Ownership
Original Permit _____	Original Permit _____	No. of Federal Acres _____
Approved Amendments _____	Approved Amendments _____	No. of State Acres _____
This Application <u>4,548.8</u>	This Application <u>1,135.1</u>	No. of Private Acres <u>4,548.8</u>
Total Acres <u>4,548.8</u>	Total Acres <u>1,135.1</u>	Total Acres <u>4,548.8</u>

7. The name, if any, by which the permit (amendment) lands or any part thereof are known:
Brook Mine

8. The nearest town or city: Ranchester, WY

9. A filing fee of \$100.00 (\$200.00 for amendments) plus \$10.00 for each acre in the request permit (amendment) area. For any single permit (amendment) the maximum fee shall not exceed \$2,000.00.

10. Plan or plans of the applicant, including maps for the proposed mining operation and the reclamation of all affected lands as required by W.S. §35-11-406(b) and Chapter 2, Sec. 2 of the Land Quality Rules and Regulations.

11. Each application for coal mining operations shall also contain:
- (a) Additional information as required in Chapter 2, Section 2 of the Land Quality Division Coal Rules and Regulations;
 - (b) A certification that the applicant has a public liability insurance policy in force for the proposed mining and reclamation, as required by W.S. §35-11-406(a)(xiii) and Land Quality Division Coal Rules and Regulations Chapter 12, Section 2.;
 - (c) A listing of all notices of violations required by W.S. §35-11-406(a)(xiv).

12. The following obligations are incumbent upon the applicant upon approval of this application:

- (a) The provisions of the permit are severable, and if any provision of the permit, or the application of any provision of the permit, to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.
- (b) The operator shall allow the Director, the Administrator and/or his authorized representatives, at reasonable times and upon presentation of appropriate credentials, to enter upon and have access to any and all lands covered by this permit and amendments thereto and to inspect and copy any records or documents, obtain or monitor any samples or sampling, for any activities associated with the operation and permit.
- (c) The following shall also apply for coal mining operations:
 - (i) The operator shall conduct his operation in a manner which prevents violation of any other applicable State or Federal law.

TFN6 2/025
RECD DEC 13, 2019

- (ii) The operator shall take all possible steps to minimize any adverse impact to the environment, public health and safety resulting from noncompliance with his approved mining and reclamation plan and other terms and conditions of any permit or license, including monitoring to define the nature of the noncompliance and warning of any potentially dangerous condition.
- (iii) The operator shall conduct all operations in accordance with his approved mining and reclamation plan and with any special conditions of the permit or license attached thereto.
- (iv) All reclamation fees shall be paid as required by Title IV, P.L. 95-87, for coal produced under the permit for sale, transfer or use.

FINAL SWORN STATEMENT

State of Wyoming)
) ss
County of Sheridan)

I, Randall W. Atkins being duly sworn on my oath that I am the applicant (President or Vice President if the applicant is a corporation) for the foregoing permit (amendment); that I have read the said application and fully know the contents thereof; that all statements contained in the permit (amendment) application are true and correct to my best knowledge and belief; by execution of this statement I certify that Brook Mining Co., LLC, applicant or entities controlled by or under common control with the applicant has the right and power by the legal estate owned to mine from the land for which this permit (amendment) is desired; that applicant or entities controlled by or under common control with the applicant has not forfeited, or is not involved in forfeiture proceedings for, a bond posted for reclamation purposes; and if a **surface coal mining application**, that applicant or entities controlled by or under common control with the applicant has paid the reclamation fees for this and all coal mining operations under the jurisdiction of P.L. 95-87 as required by Title IV of that law; and that applicant or entities controlled by or under common control with the applicant has not had any Federal or State coal mining permits suspended or revoked in the five years preceding the date of this application.

Dated this 19th day of November, 2019.

Signature *Randall W. Atkins*
Name Randall W. Atkins
(Printed or typed)
Title Manager, Chairman, Chief Executive Officer

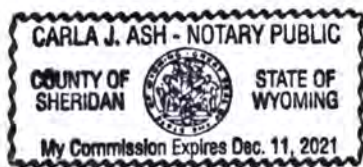
(Corporate Seal)

The foregoing instrument was acknowledged before me by this 19th day of November, 2019.

Witness my hand and official seal.

Carla J. Ash
(Notary Public or Secretary if a Corporation)
Carla J. Ash
(Name printed or typed)

(Notary Seal)



My Commission Expires: 12.11.2021

TFN6 2/025
RECD DEC 13, 2019

Scanned, 02/26/2020

THE STATE OF WYOMING)
) ss
DEPARTMENT OF ENVIRONMENTAL QUALITY)

is to certify that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This permit/coal renewal/amendment grants only the right to affect the land described in Appendix "C" of the application.

Acceptance of the approved permit/coal renewal/amendment obligates the operator to abide by the standard conditions specified in Item No. 12. of this application form. Any condition and/or special condition attached to approval of this permit/coal renewal/amendment shall supersede and/or replace any conflicts with the original permit, amendments, coal renewals or any other revision.

Additional special conditions and limitations are as follows:

[Empty lines for additional special conditions and limitations]

Approved: _____
Administrator
Land Quality Division
Department of Environmental Quality

Approved: _____
Director
Department of Environmental Quality

TFN6 2/025
RECD DEC 13, 2019

Effective Date: _____

CONSENT FOR ACCESSING PRIVATE PROPERTY

I, Randall W. Atkins, Chairman and Chief Executive Officer, am the owner or agent of Brook Mining Company, LLC ("Lessee") of RAMACO Wyoming Coal Co. ("Lessor"), and authorize Wyoming Department of Environmental Quality employee's BJ Kristiansen, P.G., Dave Myers, Kim Medina, Muthu Kuchanur, Matt Kunze to access the lands described in the 1954 deed (see attachment A) Laya MOA (see attachment B), Taylor MOA (see attachment C) for the time period of August 11, 2015 to December 31, 2015 and for the purpose of Conducting the usual business of WDEQ/LQD pursuant to RAMACO Wyoming Coal Companies permit to mine application AVF determination.

Signature:  Date: 8/11/15

Attachment A

RECORDED JULY 27, 1954, BK 98 PG 127
NO. 366196, B. B. HULE, COUNTY CLERK

WARRANTY DEED

THIS INSTRUMENT, made the 28th day of June, 1954, by and between the SHERIDAN-WYOMING COAL COMPANY, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business in the County of Sheridan, State of Wyoming, the GRANTOR, and BIG HORN COAL COMPANY, of the County of Sheridan, State of Wyoming, the GRANTEE, WITNESSETH:

That the grantor, for and in consideration of the sum of One Dollar and other good and valuable consideration, in hand paid, the receipt whereof is hereby acknowledged, does, by these presents, grant, bargain, sell, CONVEY AND WARRANT unto the said grantee, all of the surface rights in the following, in the County of Sheridan, State of Wyoming:

Township 57 North, Range 84 West, 6th Principal Meridian

- Sec. 3 SW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$
- Sec. 7 E $\frac{1}{2}$ SE $\frac{1}{4}$
- Sec. 8 S $\frac{1}{2}$
- Sec. 9 NE $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$
- Sec. 10 NE $\frac{1}{4}$, SW $\frac{1}{4}$, Undivided one-half interest in NW $\frac{1}{4}$
- Sec. 15 NE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$ south of Tongue River, the SW $\frac{1}{4}$ excepting therefrom (i) the acre townsite sold to Gothard Bylund in certain Agreement for Warranty Deed and Bill of Sale dated July 15, 1953, and (ii) certain tracts of land deeded to Montana-Dakota Utilities Company, described as follows: Beginning at a point 50 feet north 26° 54' 30" west of a point which is 1984.5 feet north 31° 23' east from the southwest corner; thence south 69° 6' west 100.51 feet; thence north 26° 54' 30" west 420.82 feet; thence north 24° 54' east 127.24 feet; thence south 86° 14' west 509.5 feet; thence south 26° 55' east 363.2 feet; thence south 69° 6' west 477.5 feet to the point of beginning.
- Sec. 14 That part of SW $\frac{1}{4}$ SW $\frac{1}{4}$ south of Tongue River
- Sec. 17 All
- Sec. 18 E $\frac{1}{2}$
- Sec. 19 NE $\frac{1}{4}$ NE $\frac{1}{4}$, All of SE $\frac{1}{4}$ NE $\frac{1}{4}$ except the SW $\frac{1}{4}$ thereof sold to William Long, also all that portion of NW $\frac{1}{4}$ NE $\frac{1}{4}$ lying east of Tongue River
- ✓ Sec. 20 NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, All NE $\frac{1}{4}$ north of C. B. & Q. Railroad Company right-of-way
- ✓ Sec. 21 All except tracts and lots of Model Townsite owned by parties of record, and except that portion of SW $\frac{1}{4}$ NW $\frac{1}{4}$ lying between the North line of the C. B. & Q. Railroad right-of-way and the North line of said SW $\frac{1}{4}$ NW $\frac{1}{4}$, consisting of 4 acres, more or less, as conveyed to Bruno Romeo.
- Sec. 22 All
- Sec. 27 N $\frac{1}{2}$ S $\frac{1}{2}$, and the N $\frac{1}{2}$, except a tract of land described as follows: Beginning 535.5 feet north 59° 30' east from the West Quarter corner of said Sec. 27; thence north 16° 12' east 200 feet; thence south 73° 48' east 200 feet; thence south 16° 12' west 200 feet; thence north 73° 48' west 200 feet to the point of beginning.
- Sec. 28 NE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$

Township 57 North, Range 85 West, 6th Principal Meridian

A certain tract of land in Sections 11 and 23 as described in Warranty Deed dated January 26, 1916 from George Vasters to Peter Kvot, recorded in Book 2 of Deeds, Page 204, County Clerk's Office

Together with all such surface water and ditch rights as Grantor may have in the foregoing;

But subject as to all of the foregoing to all existing grazing and other surface leases made by Grantor as Lessor, and the right of all tenants and lessees to remove buildings and other improvements placed on said leased premises by them;

And subject further, to one-half of the taxes for 1954 and all taxes for subsequent years;

And subject further, to all existing rights-of-way and easements in favor of third persons over and across the above described lands, including without limitation all streets and highways, County, State and Federal, and telephone and electric power transmission lines;

The Grantor reserving unto itself, its successors and assigns all gas, oil, coal and other minerals contained in all of the above described lands, together with the right to mine, explore, drill, extract and remove the same, and including the right to use so much of the surface of said lands as may be necessary or convenient in order to enable the Grantor, its successors and assigns to mine, explore, drill, extract and remove said oil, gas, coal and other minerals. And in the event that the Grantor, its successors or assigns, shall hereafter mine, drill, explore, extract and remove gas, oil, coal or other minerals and shall utilize any part of the surface of said lands in connection therewith, they shall be free from any liability or claim for damage to the surface of said lands that might be asserted by the Grantee, its successors and assigns, on account of subsidence or other injury to the surface of said lands resulting from such operations, except that in case of any such injury Grantor will pay such actual damage as the parties shall agree has been so caused to any said lands, or in default of such agreement, as shall be determined by arbitration to have been so caused; provided however, that in no event shall Grantor, its successors or assigns, be obliged to pay for such damage more than Ten Dollars (\$10.00) per acre for any of said lands damaged which are dry grazing lands, Fifty Dollars (\$50.00) per acre for any said lands damaged which are bottom lands, and Two Hundred Dollars (\$200.00) per acre for any of said lands damaged which are irrigated lands.

IN WITNESS WHEREOF, the Grantor has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer, the day and year first above written.

(SEAL)

WITNESSES:

J. P. Brown
Assistant Secretary

SHERIDAN-WYOMING COAL COMPANY, Inc.


By

President

THE STATE OF WYOMING)
)SS
COUNTY OF SHERIDAN)

On this 28th day of June, 1954, before me personally appeared Walter J. Johnson to me personally known, who, being by me duly sworn did say that he is the President of SHERIDAN-WYOMING COAL COMPANY, Inc., and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its Board of Directors and said Walter J. Johnson acknowledged said instrument to be the free act and deed of said corporation.

My commission expires April 28th, 1956.
Given under my hand and notarial seal this 28th
day of June, 1954.



Notary Public

Attachment B

STATE OF WYOMING)
) ss.
COUNTY OF SHERIDAN)

MEMORANDUM OF AGREEMENT

NOTICE IS HEREBY GIVEN that under a certain Coal Mining Lease Agreement ("Agreement") made effective on January 7 2014, by and between William J. Laya and Joyce J. Laya, Trustees of the William J. Laya Trust under Trust Agreement dated November 19, 1993, and Joyce J. Laya and William J. Laya, Trustees of the Joyce J. Laya Trust under Trust Agreement dated November 19, 1993 and Thomas C. Laya ("Owner"), whose address is 91 Kooi Road, Ranchester, WY 82839, and Ramaco Wyoming Coal Co., LLC ("Operator"), whose address is 250 West Main Street, Suite 210, Lexington, KY 40507, Owner has granted Operator exclusive right and privilege to mine, extract, and remove all of the coal deposits, and other minerals comingled therewith, in and under certain lands in Sheridan County, Wyoming, as more particularly described on the attached Exhibit "A," which is incorporated by this reference. The term of the Agreement is for a period of twenty (20) years and from year to year thereafter until all mineable and merchantable coal has been exhausted.

This Memorandum is executed for the purpose of providing notice of the existence of the Coal Mining Lease Agreement between Owner and Operator and certain of the terms and provisions thereof. All of the terms and provisions of the Agreement are incorporated herein by reference for all purposes. This Memorandum is not intended to alter or vary the terms of the Agreement. Copies of the Agreement are on file with the signatories to this Memorandum.

DATED this 16 day of November, 2012.

OWNER:

William J. Laya Trust under Trust Agreement dated November 19, 1993

William J. Laya 11-16-12 Joyce J. Laya 11-16-12
William J. Laya Date Joyce J. Laya Date
Trustee Trustee

Joyce J. Laya Trust under Trust Agreement dated November 19, 1993

Joyce J. Laya 11-16-12 William J. Laya 11-16-12
Joyce J. Laya Date William J. Laya Date
Trustee Trustee

Thomas C. Laya

Thomas C. Laya 11-16-2012
Thomas C. Laya Date

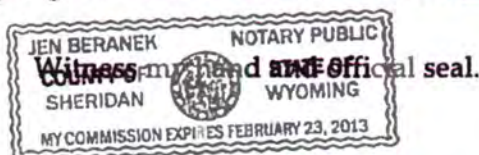
OPERATOR:

Ramaco Wyoming Coal Co., LLC

Randall W. Atkins 11/9/12
Randall W. Atkins Date
Chief Executive Officer

STATE OF Wyoming)
) SS.
 COUNTY OF Sheridan)

William J. Laya, Trustee of the William J. Laya Trust under Agreement dated November 19, 1993 and the Joyce J. Laya Trust under Agreement dated November 19, 1993 whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 16 day of November, 2012.



Jen Beranek
 Notary Public

My Commission expires: 2-23-13

STATE OF Wyoming)
) SS.
 COUNTY OF Sheridan)

Joyce J. Laya, Trustee of the William J. Laya Trust under Agreement dated November 19, 1993 and the Joyce J. Laya Trust under Agreement dated November 19, 1993 whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 16 day of November, 2012.

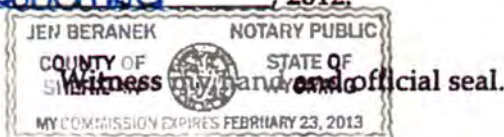


Jen Beranek
 Notary Public

My Commission expires: 2-23-13

STATE OF Wyoming)
) SS.
 COUNTY OF Sheridan)

Thomas C. Laya whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 16 day of November, 2012.



Jen Beranek
 Notary Public

My Commission expires: 2-23-13

STATE OF Wyoming)
) SS.
 COUNTY OF Sheridan)

Randall W. Atkins, Chief Executive Office of Ramaco Wyoming Coal Co., LLC, whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 9th day of November, 2012.

Witness my hand and official seal.

Nicholas T. Haderlie
 Notary Public

My Commission expires: 12/18/2015



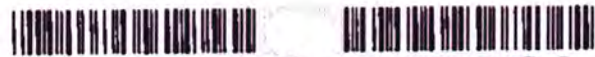


Exhibit "A"
 to Coal Mining Lease Agreement

Township 57 North, Range 85 West, 6th P.M., Sheridan County, Wyoming

Section 10: SE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ S $\frac{1}{2}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 11: W $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$

Section 14: W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, and that part of the S $\frac{1}{2}$ described as commencing at the half section corner between Section 14 and 15, in Township 57 North, Range 85 West, 6th P.M., being the NW corner of the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of said Section 14 as the point of beginning; thence south along the section line 1,000 feet, more or less, to the north line of the right-of-way of the Grand Island & Northern Wyoming Railroad Company; thence running in a southeasterly direction along the north line of the said right-of-way to a point on the east section line of said Section 14, which said point is 408 feet, more or less, south of the NE corner of the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 14; thence running north along said section line to a point, which said point is 27 feet north of the northeast corner of the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 14; thence running in a northwesterly direction 1,336 feet to a point on the north and south dividing line between the E $\frac{1}{2}$ of the E $\frac{1}{2}$ of said Section 14, which point is 435 feet north of the line of the said right-of-way and 1,115 feet south of the northwest corner of the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 14; from said last named point running thence north along said division line 1,115 feet to the said northwest corner of the said NE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 14; thence running west to the point of beginning.

Section 15: E $\frac{1}{2}$ NE $\frac{1}{4}$

Excepting, therefrom two (2) parcels conveyed to The State Highway Commission of Wyoming in Book 291 of Deeds at page 545, and more particularly described as follows:

Parcel 1 - All that portion of the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 15, T57N, R85W, of the 6th P.M., Wyoming lying south of a parallel right-of-way line of hereinafter stated distances to the right or northerly side when measured at right angles or radially to the following described survey line of highway, said parallel right-of-way line begins on the east boundary and ends on the west boundary of said SE $\frac{1}{4}$ NE $\frac{1}{4}$:

Beginning at a point on the east boundary of said Section 15 from which the east quarter corner thereof bears N 0 degrees 28' 05.6" W a distance of 149.81 feet, said point of beginning also being located on a 1 degree 00' circular curve concave to the north, the radius of which is 5,729.58 feet and at which point a line tangent to said curve bears N 72 degrees 30' 36.7" W;

thence with said parallel right-of-way lines 275 feet to the right or northerly side along said curve through a central angle of 5 degrees 43' 32.4" a distance of 572.57 feet;

thence with said parallel right-of-way line 200 feet to the right or northerly side continuing along said curve through a central angle of 2 degrees 22' 02.6" a distance of 236.74 feet to the point of ending of said curve;

thence continuing with said parallel right-of-way line 200 feet to the right or northerly side, N 64 degrees 25' 01.6" W a distance of



720 feet, more or less, until said parallel right-of-way line intersects said west boundary.

Parcel 2 -

All those portions of the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 14, T57N, R85W of the 6th P.M. and of a tract of land lying in the S $\frac{1}{2}$ of said Section 14 as described in Book 54 at page 569 of the Sheridan County Records, lying between the southerly right-of-way boundary as described in Book 102 at page 72 of the Sheridan County Records and a parallel right-of-way line of hereinafter stated distances to the left or northerly side when measured at right angles or radially to the following described survey line of highway, said parallel right-of-way line begins on the west boundary of said Section 14 and ends on the east boundary of the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 14:

Commencing at a point on the west boundary of said Section 14 from which the west quarter corner thereof bears N 0 degrees 28' 05.6" W a distance of 149.81 feet;

thence N 72 degrees 02' 27.0" W a distance of 93.87 feet to the True Point of Beginning. Said True Point of Beginning also being located on a 1 degree 00' circular curve concave to the north, the radius of which is 5,729.58 feet and at which point a line tangent to said curve bears S 71 degrees 34' 17.4" E;

thence with said parallel right-of-way line 275 feet to the left or northerly side, southeasterly along said curve through a central angle of 4 degrees 12' 46.9" a distance of 421.30 feet;

thence with said parallel right-of-way line 175 feet to the left or northerly side continuing southeasterly along said curve through a central angle of 12 degrees 04' 09.8" a distance of 1,206.94 feet to the point of ending of said curve;

thence continuing with said parallel right-of-way line 175 feet to the left or northerly side, S 87 degrees 51' 14.1" E a distance of 93.06 feet;

thence with said parallel right-of-way line 200 feet to the left or northerly side continuing S 87 degrees 51' 14.1" E a distance of 800 feet;

thence with said parallel right-of-way line 300 feet to the left or northerly side, continuing S 87 degrees 51' 14.1" E a distance of 438.99 feet to the point of beginning of a 0 degrees 45' circular curve concave to the south, the radius of which is 7,639.44 feet;

thence continuing with said parallel right-of-way line 300 feet to the left or northerly side, southeasterly along said curve through a central angle of 5 degrees 26' 54.8" a distance of 726.47 feet, to the point of ending of said curve;

thence continuing with said parallel right-of-way line 300 feet to the left or northerly side, S 82 degrees 24' 19.3" E a distance of 435 feet, more or less, until said southerly right-of-way boundary as described in Book 102 at page 72 intersects the east boundary of said NW $\frac{1}{4}$ SE $\frac{1}{4}$.

Note:

All bearings and distances in these descriptions are based on the Wyoming State Plane Coordinate System, East Central Zone,



2014-709925 1/10/2014 12:57 PM PAGE: 5 OF 5
BOOK: 545 PAGE: 165 FEES: \$24.00 PK MEMORANDUM OF AGR
EDA SCHUNK THOMPSON, SHERIDAN COUNTY CLERK

modified to Wyoming Highway Department Coordinate System by
an adjustment factor of 1.0003000.

Containing in all 894 acres, more or less, and also being subject to all easements,
rights-of-way and reservations of record.

NO. 2014-709925 MEMORANDUM OF AGREEMENT
EDA SCHUNK THOMPSON, SHERIDAN COUNTY CLERK
THRONE LAW OFFICE P O BOX 1056
SHERIDAN WY 82801

Exhibit "A"

Page 3 of 3

DEQ Ex. 7-032

818

Attachment C



STATE OF WYOMING)
) ss.
COUNTY OF SHERIDAN)

MEMORANDUM OF AGREEMENT

NOTICE IS HEREBY GIVEN that under a certain Agreement ("Agreement") dated effective August 22nd 2012, by and between Taylor Investments, LLC ("Owner"), whose address is 1718 Hwy 345, Ranchester, WY 82839, and Ramaco Wyoming Coal Co., LLC ("Operator"), whose address is 250 West Main Street, Suite 210, Lexington, KY 40507, Owner has granted Operator a license to enter upon, over, and across certain lands in Sheridan County, Wyoming, as more particularly described on the attached Exhibit "A," which is incorporated by this reference ("Lands"). The Agreement grants Operator the right to conduct mineral exploration and related activities on the Lands for a period of two (2) years. The Agreement also grants Operator the right and privilege to enter and use all the surface of the Lands as may be convenient and necessary for mining the fee coal owned by Operator underlying the surface of the Lands for a period of twenty (20) years.

Additionally, Owner has granted Operator the exclusive right and privilege to mine, extract, and remove all of the coal deposits, and other minerals comingled therewith, in and under the Lands. The right to coal mine described herein applies to the Taylor owned coal described on Exhibit "A," and the term of the Agreement is for a period of twenty (20) years.

This Memorandum is executed for the purpose of providing notice of the existence of the Agreement between Owner and Operator and certain of the terms and provisions thereof. All of the terms and provisions of the Agreement are incorporated herein by reference for all purposes. This Memorandum is not intended to alter or vary the terms of the Agreement. Copies of the Agreement are on file with the signatories to this Memorandum.

DATED this 22 day of August, 2012.

TAYLOR INVESTMENTS, LLC

RAMACO WYOMING
COAL CO., LLC

By: LeRoy Taylor

By: Rodell W. Atkins

STATE OF Wy)
) ss.
COUNTY OF Sheridan)

LeRoy Taylor, Managing Member of Taylor Investments, LLC, whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 23rd day of August, 2012.

Witness my hand and official seal.

Brian T. Kinnison
Notary Public

My Commission expires: 5-13-14



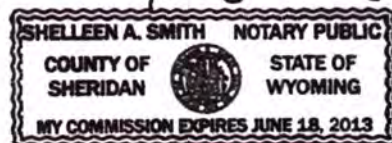
STATE OF Wyoming)
) ss.
COUNTY OF Sheridan)

Randall W. Atkins, Chief Executive Office of Ramaco Wyoming Coal Co., LLC, whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 29 day of August, 2012.

Witness my hand and official seal.

Shelleen A. Smith
Notary Public, Shelleen A. Smith
Sheridan County, Wyoming

My Commission expires: June 18, 2013



Scanned, 02/26/2020

STATE OF WYOMING)
) ss.
COUNTY OF SHERIDAN)

CORRECTED
MEMORANDUM OF AGREEMENT

NOTICE IS HEREBY GIVEN that under a certain Agreement ("Agreement") dated effective August 22, 2012, by and between Taylor Investments, LLC ("Owner"), whose address is 1718 Hwy 345, Ranchester, WY 82839, and Ramaco Wyoming Coal Co., LLC ("Operator"), whose address is 250 West Main Street, Suite 210, Lexington, KY 40507, Owner has granted Operator a license to enter upon, over, and across certain lands in Sheridan County, Wyoming, as more particularly described on the attached Exhibit "A," which is incorporated by this reference ("Lands"). The Agreement grants Operator the right to conduct mineral exploration and related activities on the Lands for a period of two (2) years. The Agreement also grants Operator the right and privilege to enter and use all the surface of the Lands as may be convenient and necessary for mining the fee coal owned by Operator underlying the surface of the Lands for a period of twenty (20) years.

Additionally, Owner has granted Operator the exclusive right and privilege to mine, extract, and remove all of the coal deposits, and other minerals comingled therewith, in and under the Lands. The right to coal mine described herein applies to the Taylor owned coal described on Exhibit "A," and the term of the Agreement is for a period of twenty (20) years.

This Memorandum is executed for the purpose of providing notice of the existence of the Agreement between Owner and Operator and certain of the terms and provisions thereof. All of the terms and provisions of the Agreement are incorporated herein by reference for all purposes. This Memorandum is not intended to alter or vary the terms of the Agreement. Copies of the Agreement are on file with the signatories to this Memorandum.

NOTE: This Memorandum of Agreement was originally recorded without Exhibit "A" in Book 536 at page 401. This Corrected Memorandum of Agreement is being recorded to include the Exhibit "A."

DATED this 21 day of September, 2012

TAYLOR INVESTMENTS, LLC
By: LeRoy D. Taylor
RAMACO WYOMING
COAL CO., LLC
By: Randall W. Atkins

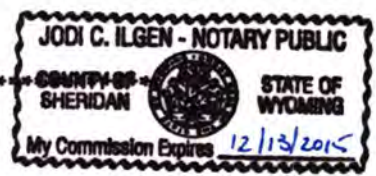
STATE OF Wyoming)
) ss.
COUNTY OF Sheridan)

LeRoy Taylor, Managing Member of Taylor Investments, LLC, whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 27th day of September, 2012.

Witness my hand and official seal.
Jodi C. Ilgen
Notary Public

My Commission expires: 12/13/2015

STATE OF Wyoming)
) ss.
COUNTY OF Sheridan)



Randall W. Atkins, Chief Executive Officer of Ramaco Wyoming Coal Co., LLC, whose identity is known or was proven to me on the basis of satisfactory evidence, acknowledged the foregoing Memorandum before me this 21st day of September, 2012.

Witness my hand and official seal.
Nicholas T. Haderlie
Notary Public

My Commission expires: 12/18/2015



Exhibit "A"

to Exploration Agreement, Surface Access Agreement,
 and Coal Mining Lease Agreement

Taylor Surface Lands – Taylor/Legerski Fee Coal

Township 57 North, Range 85 West, 6th P.M., Sheridan County, Wyoming.

- Section 12: South half of the Northeast quarter, the Southeast quarter of the Northwest quarter, the Southeast quarter and the East half of the Southwest quarter.
- Section 13: North half of the Northeast quarter and the Northeast quarter of the Northwest quarter.

Excepting that portion conveyed to The State Highway Commission of Wyoming by Warranty Deed recorded February 10, 1981 in Book 255, Page 70.

Taylor Surface Lands – Ramaco Fee Coal

Township 57 North, Range 84 West, 6th P.M., Sheridan County, Wyoming.

- Section 18: All that portion of Lot 4 (SW1/4SW1/4) lying north of the northerly right of way line of Interstate Highway No. 90, said northerly right of way line being of hereinafter stated distances to the left or northerly side measured at right angles or radially to the following described survey line of highway, said parallel right of way line beginning on the west boundary and ending on the east boundary of said Lot 4; beginning at a point on said west boundary from which the southwest corner of Section 18 bears S. 0° 30' E. a distance of 862.5 feet; thence with said parallel right of way lines 270 feet to the left or northerly side, S. 81° 23.6' E. a distance of 876.2 feet; thence with said parallel right of way line 210 feet to the left or northerly side, continuing S. 81° 23.6' E. a distance of 455 feet, more or less, to a point on said east boundary. ALSO, NW1/4, N1/2SW1/4 and SE1/4SW1/4

Excepting that portion conveyed to The State of Wyoming Highway Commission of Wyoming by Warranty Deed recorded February 10, 1981 in Book 255, Page 70.

Township 57 North, Range 85 West, 6th P.M., Sheridan County, Wyoming.

- Section 11: SE1/4SE1/4
- Section 12: SW1/4SW1/4
- Section 13: NW1/4NW1/4, S1/2N1/2, NE1/4SE1/4, and also all of the SW1/4 and W1/2SE1/4, except that portion thereof lying South of U.S. Highway No. 87 (now Interstate 90); also all that portion of the SE1/4SE1/4 lying north of the northerly right of way line of Interstate Highway No. 90, said northerly right of way line being 270 feet to the right or northerly side when measured at right angles to the following described survey line of highway, said northerly right of way begins on the east boundary and ends on the north boundary of said SE1/4SE1/4; beginning at a point on said east boundary from which the southeast corner of said Section 13, bears S. 0° 30' E, a distance of 862.5 feet; thence N. 81° 23.6' W. a distance of 82.9 feet to the point of beginning of a 1° 00' circular curve to the right, the radius of which is 5,729.6 feet; thence along said curve through a central angle of 10° 38.4' a distance of 1,064.1 feet to the point of ending of said curve; thence N. 70° 45.1' W. a distance of 45 feet, more or less, to a point on the west boundary of said SE1/4SE1/4 from which the northwest corner thereof bears northerly a distance of 230 feet, more or less.



Excepting the right of way of the C.B. & Q. Railroad, also excepting the right of way of the Grand Island and Northern Wyoming Railroad Company as recorded July 11, 1893 in Book E, Page 253 of Deeds, and Recorded June 11, 1894 in Book E, Page 427 of Deeds,

Also excepting that portion conveyed to The State Highway Commission of Wyoming by Warranty Deed recorded February 10, 1981 in Book 255, Page 70.

Section 14: E1/2NE1/4, and all of the NE1/4SE1/4 excepting therefrom the following tract of land, to-wit: Beginning at the Southeast corner of said NE1/4SE1/4; thence West to the Southwest corner of said NE1/4SE1/4; thence North 205 feet to the South line of the County Road; thence Southeasterly along said road to the East line of said Section 14; thence South 27 feet to the point of beginning.

Excepting a portion conveyed to The State Highway Commission of Wyoming by Warranty Deed recorded February 10, 1981 in Book 255, Page 70.

NO. 2012-699818 CORRECTED MEMO
EDA SCHUNK THOMPSON, SHERIDAN COUNTY CLERK
THRONE LAW OFFICE P O BOX 1056
SHERIDAN WY 82801

Scanned, 02/26/2020

NOTE: **DO NOT CUT OR MODIFY THIS FORM.** Sign with blue ink. Submit two (2) copies, one of which must be an original Form 3 as supplied by the Department of Environmental Quality, Land Quality Division.

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION
APPLICATION FOR LICENSE TO MINE

This application in duplicate for a license to mine is submitted in accordance with the provisions of the Wyoming Statute §35-11-410.

1. Applicant Information Name: Brook Mining Co., LLC Phone: 307-674-8000
Address: 1101 Sugarview Dr., Suite 201
Sheridan, WY 82801

2. Location of mining operation (County): Sheridan

3. (a) A copy of the mining permit, submitted herewith, for the lands which are to be affected by the proposed mining operation:

Permit No. Pending Issued day of ,

(b) If the applicant is other than the permit holder, a copy of the instrument of permission submitted herewith, from the permit holder granting to the applicant the right thereto;

4. Maps showing the location and the numbers of acres to be affected by the proposed mining operation for the first year of operation if less than the full extent of the permit area.

(Map of affected area may be submitted with legal description if desired). The scale of maps shall be reasonable so as to show necessary detail, width of map not to exceed 48".

Suggested scales: Up to 10 acres - 1" = 100'
 Up to 40 acres - 1" = 200'
 40 acres or more - 1" = 400'

5. Date (month and year) when operation will commence: October, 2015
Estimated date (year) of termination of the proposed mining operation: October, 2032

6. A fee of \$25.00.

7. Name, telephone number, and address of the agent or persons to whom any notice under the provisions of the Wyoming Environmental Quality Act, Land Quality Division or Rules and Regulations adopted thereunder may be sent: Name: Randall W. Atkins Phone: 307-674-8000
Address: 1101 Sugarview Dr., Suite 201
Sheridan, WY 82801

8. The provisions of this license are severable, and if any provision of the license, or the application of any provision of this license to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this license shall not be affected thereby.

FINAL SWORN STATEMENT

State of Wyoming)
)ss.
County of Sheridan)

I Randall W. Atkins being duly sworn on my oath that I am the applicant (or the President or Vice President if the applicant is a corporation) for the foregoing "License to Mine"; that I have read the said application and fully know the contents, thereof; and that all statements contained in the License to Mine application are true and correct to my best knowledge and belief; by execution of this statement I certify that Brook Mining Co., LLC, applicant or entities controlled by or under common control with the applicant has the right and power by the legal estate owned to mine from the land for which this License to Mine is desired; that applicant or entities controlled by or under common control with the applicant has not forfeited, or is not involved in forfeiture proceedings for, a bond posted for reclamation purposes nor has had a mining permit or a license to mine suspended or revoked; and if a **surface coal mining application**, that applicant or entities controlled by or under common control with the applicant has paid the reclamation fees for this and all coal mining operations under the jurisdiction of P.L. 95-87 as required by Title IV of that law; and that applicant or entities controlled by or under common control with the applicant has not had any Federal or State Coal mining permits or licenses to mine suspended or revoked in the five years preceding the date of this application.

Dated this 23rd day of October, 2014.

Signature *Randall W. Atkins*

(Corporate Seal)

Name Randall W. Atkins
(printed or typed)

Title Manager, Chairman, CEO

The foregoing instrument was acknowledged before me by Randall W. Atkins,
this 23rd day of October, 2014.

Witness my hand and official seal.

Shelleen Smith

Notary Public or Secretary if a Corporation



Shelleen Smith
(Name printed or typed)

This application when returned to you with the validating signature of the Administrator of the Land Quality Division, Department of Environmental Quality, becomes your License No. _____
Effective date: _____.

Approved by:

By: _____
Administrator
Land Quality Division
Department of Environmental Quality

Director
Department of Environmental Quality

October 6, 2017

Wyoming DEQ
Received

OCT 09 2017

Abandoned Mine
Land Division

Mr. Alan Edwards,
Deputy Director
Department of Environmental Quality
200 W. 17th Street
Cheyenne, WY 82002

**RE: Brook Mine Permit Application
Sheridan County, Wyoming
EQC Docket No. 17-4802**

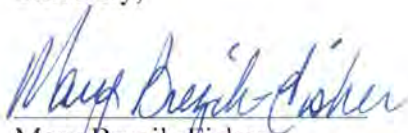
Dear Mr. Edwards:

As you know, we have been a party to the above-referenced proceedings regarding the proposed Brook Mine Permit. During those proceedings there was a suggestion that landowners had resisted DEQ access to their property for the purposes of making Alluvial Valley Floor (AVF) determinations. We were never contacted by anyone from DEQ requesting access for this purpose, and we never denied any such access.

The purpose of this letter is to inform the Department Of Environmental Quality that as owners of the property located at 32 Slater Creek Lane, Ranchester, Wyoming which is within the ½ mile boundary of the proposed mine, we hereby grant access to DEQ personnel for the purpose of investigating and making AVF determination on our property which sits adjacent to the Tongue River itself. Evidence from the hearing shows that DEQ already considers this likely to be alluvial valley floor.

We do ask that DEQ contact us prior to entry onto our property and advise us of when personnel will be on the property and identify those persons who will be on site. If someone other than DEQ personnel will be in attendance or participating, we also request that information be provided in advance. We can be reached at (307) 673-5026 or (307) 751-8123. Thank you.

Sincerely,


Mary Brezik-Fisher


David Fisher

MBF

cc: Jay A. Gilbertz (*via hand delivery*)
B.J. Kristiansen, DEQ's Sheridan Office (*via hand delivery*)
Shannon Anderson, *via email*
Lynne Boomgaarden/Clayton Gregersen, *via email*
Andrew Kuhlmann/James LaRock, *via email*
Thomas J. Sansonetti/Isaac Sutphin/Jeff Pope, *via email*
Ryan Schelhaas, *via email*

DEQ Ex. 7-040

6/2/25

Scanned, 02/26/2020

LQD
OCT 24 2016
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SURFACE LAND OWNER'S CONSENT

Big Horn Coal Company, LLC (Surface Land Owner) CERTIFIES that it is the surface owner of the following described property on which Brook Mining Company, LLC (Applicant) proposes to operate or property which must be crossed to access Applicant's operations as proposed in Applicant's mining and reclamation plans:

As described in the attached Attachment A, incorporated herein

Land Owner and Applicant are parties to an action pending before the Wyoming Environmental Quality Council entitled *In Re Brook Mine Application*, Civil Action No. 16-1601. Without waiving any rights which Land Owner may have in that action or any subsequent appeal, Land Owner hereby grants access to the above described property to the Department of Environmental Quality, Land Quality Division, to enter and carry out mine inspections related to Applicant's permitted operations. Such entry and inspections shall be conducted during normal business hours and in compliance with all applicable federal, state and local laws, permit conditions, and mining industry safety practices. Nothing in this consent should be construed as consent by Land Owner to Applicant's mining and reclamation plans or consent to enter and carry out those mining and reclamation programs on said lands except as may be ordered by the Wyoming Environmental Quality Council or a court of competent jurisdiction.

Dated this 18 day of October, 2016.



Surface Land Owner (Signature)

JORDAN SWEENEY

Name (printed or typed)



Scanned, 02/26/2020

STATE OF UTAH)
) ss.
COUNTY OF SALT LAKE)

Subscribed and sworn to before me by Jordan Sweeney this 18 day of
October, 2016.

Witness my hand and official seal.

SEAL



[Signature]
Notary Public

My Commission expires _____

LQD
OCT 24 2016
RECEIVED

ATTACHMENT A

[Description of Big Horn Coal Co. lands within current Brook Mine Permit area]

Township 57 North, Range 84 West, 6th P.M., Sheridan County, WY

Section 9: SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$ part containing 159 acres more or less, SW $\frac{1}{4}$ NE $\frac{1}{4}$ part containing 36 acres more or less, SE $\frac{1}{4}$ NE $\frac{1}{4}$ part containing 8 acres more or less, NW $\frac{1}{4}$ NE $\frac{1}{4}$ part containing 5 acres more or less

Section 10: SW $\frac{1}{4}$ part containing 73 acres more or less

Section 15: NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$ part containing 42 acres more or less, SE $\frac{1}{4}$ part containing 88 acres more or less, SE $\frac{1}{4}$ SW $\frac{1}{4}$ part containing 4 acres more or less

Section 21: NE $\frac{1}{4}$ part containing 36 acres more or less, NW $\frac{1}{4}$ part containing 5 acres more or less

Section 22: NW $\frac{1}{4}$ part containing 59 acres more or less, NE $\frac{1}{4}$, SE $\frac{1}{4}$ part containing 61 acres more or less, SW $\frac{1}{4}$ part containing 16 acres more or less

Section 27: W $\frac{1}{2}$ NW $\frac{1}{4}$ part containing 3 acres more or less

(the "Big Horn Coal Co. Surface Lands" Exhibit 1 to Attachment A)

LQD

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Scanned, 02/26/2020

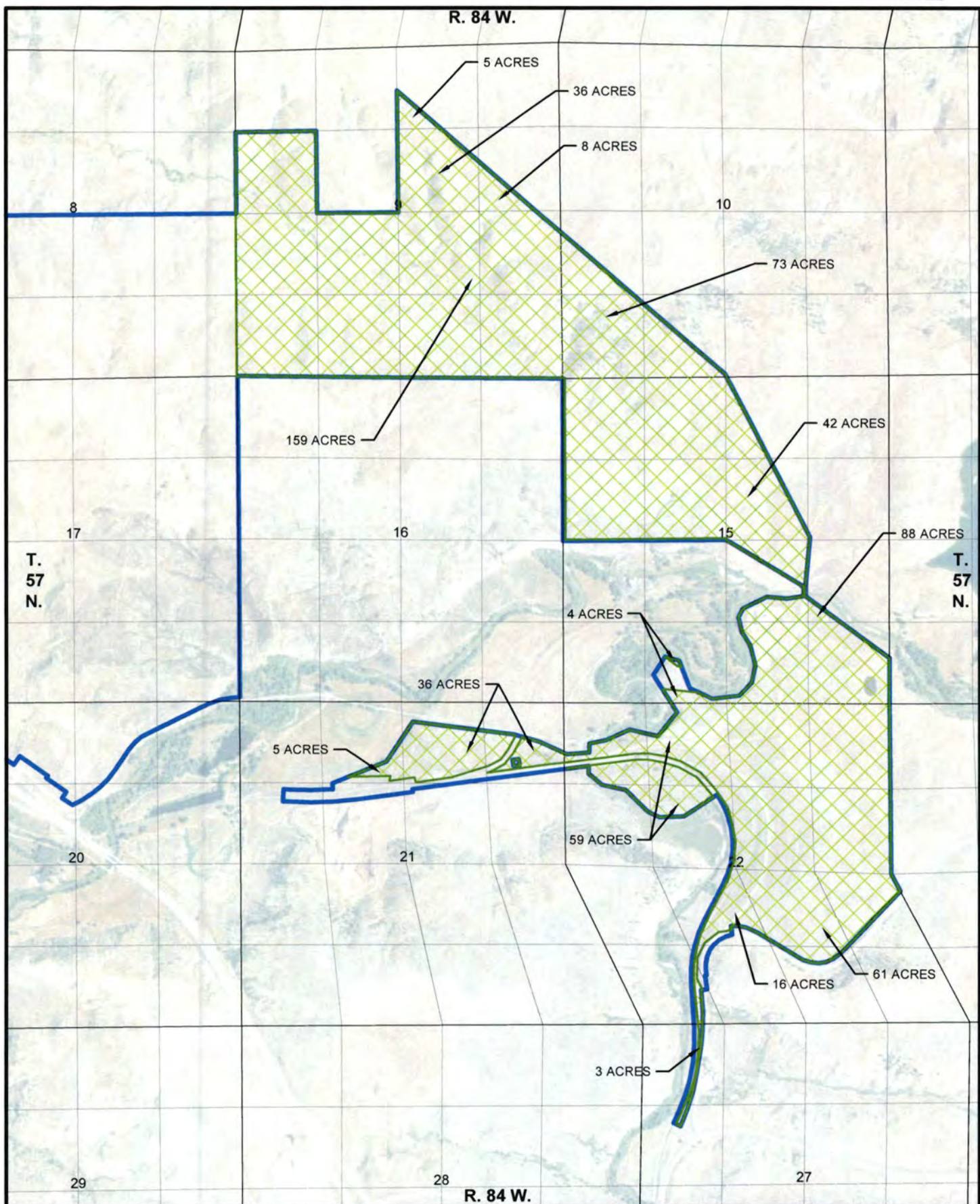
EXHIBIT 1 TO ATTACHMENT A

(BIG HORN CO. SURFACE LANDS)

LQD

OCT 24 2016

RECEIVED





WYOMING GAME AND FISH DEPARTMENT

5400 Bishop Blvd. Cheyenne, WY 82006

Phone: (307) 777-4600 Fax: (307) 777-4699

wgfd.wyo.gov

GOVERNOR
MATTHEW H. MEAD

DIRECTOR
SCOTT TALBOTT

COMMISSIONERS
CHARLES PRICE - President
T. CARRIE LITTLE - Vice President
MARK ANSELM
PATRICK CRANK
KEITH CULVER
RICHARD KLOUDA
DAVID RAE

January 26, 2017

WER 13896.00
Wyoming Department of Environmental Quality
Land Quality Division
Coal Mine Permit Application
Brook Mine -TFN 6 2/025
Sheridan County

Bjarne J. Kristiansen
Department of Environmental Quality
Land Quality Division
2100 West 5th Street
Sheridan, WY 82801



Dear Mr. Kristiansen,

The staff of the Wyoming Game and Fish Department has reviewed the Coal Mine Permit Application for the Brook Mine in Sheridan County. We offer the following comments for your consideration.

This proposed project is outside Sage-grouse Core and Connectivity areas. There is one active Sage-grouse lek - Slater Creek - within two miles of the proposed mine boundary. Per the Sage-grouse Executive Order (SGEO) Greater Sage-grouse timing stipulations should be required on a new permit for development activities within two miles of an occupied lek. Any year-round occupancy within 0.25 miles of the perimeter of a lek would require an exception and likely compensatory mitigation.

There are four bald eagle nests within two miles of the proposed mine boundary. There is quality bald eagle nesting habitat within the proposed mine boundary, and bald eagles likely forage within the proposed mine boundary along the Tongue River, Goose Creek and at Kleenburn Pond. The proponents would need to work with the U.S. Fish and Wildlife Service regarding disturbance of this habitat and potential 'take.'

Significant hunting and fishing recreation occurs within the proposed mine boundary. There are fee title lands owned by Padlock Ranch and Bighorn Coal near Acme enrolled in the Access Yes Walk-In Access program. There is also a State Trust Land section near Acme where we have a purchased parking easement for hunting, fishing and boating access. Kleenburn Pond is located on Sheridan County property and has recently received significant upgrades and improvements. We hope recreational activities can continue near these areas as appropriate.

PERMIT NO. 6 2/025



DEQ Ex. 7-045

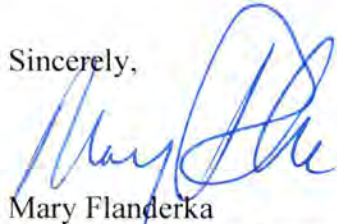
"Conserving Wildlife - Serving People"

Scanned, 02/26/2020

Bjarne Kristiansen
January 26, 2017
Page 2 of 2 – WER 13896.00

Thank you for the opportunity to comment. If you have any questions or concerns, please contact Tim Thomas, Sheridan Wildlife Biologist, (307) 672-7418.

Sincerely,



Mary Flanderka
Habitat Protection Supervisor

MF/ns

cc: USFWS
Chris Wichmann, Wyoming Department of Agriculture, Cheyenne
Tim Thomas, WGFD, Sheridan Region



TFN 6/2/025

REC'D 11-14-2014

WELLS FARGO BANK

0998

SHERIDAN MAIN 424 N MAIN ST SHERIDAN, WY 82801

99-109/1023

DATE 10/30/14

PAY TO THE ORDER OF Wyoming Dept of Environmental Quality, LEO \$ 25.00

DOLLARS

to Betsy Lewis and 100%

BROOK MINING COMPANY LLC

RANDALL W ATKINS

1101 SUGARVIEW DR STE 201

SHERIDAN WY 82801-5383

Brook Mine

License to Mine TFN 6/2/025

Randall W. Atkins

TFN 6/2/025

REC'D 11-14-2014

WELLS FARGO BANK

0997

SHERIDAN MAIN 424 N MAIN ST SHERIDAN, WY 82801

99-109/1023

DATE 10/30/14

PAY TO THE ORDER OF Wyoming Dept. of Environment Quality, LEO \$ 2000.00

DOLLARS

two thousand and 00/100

BROOK MINING COMPANY LLC

RANDALL W ATKINS

1101 SUGARVIEW DR STE 201

SHERIDAN WY 82801-5383

Brook Mine Application
6/2/025

Randall W. Atkins

NOTES

RECEIPT

DATE 11-19-14 NO. 318857

RECEIVED FROM Brook Mining CO. LLC

ADDRESS 1101 Sugarview Dr. Ste. 201 Sheridan, WY 82801

Two thousand twenty five dollars \$ 2025.00

FOR Form 1 and Form 3 Application Fee's

ACCOUNT		HOW PAID	
AMT. OF ACCOUNT		CASH	
AMT. PAID		CHECK	
BALANCE DUE		MONEY ORDER	

TFN 6/2/025

Dist 3

BY A. Origel

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TFN 6.2.025

AFFP

Docket No. 17-4802

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF SHERIDAN } SS

Irene L. Nettles, being duly sworn, says:

That she is Clerk of the The Sheridan Press, a daily newspaper of general circulation, printed and published in Sheridan, Sheridan County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

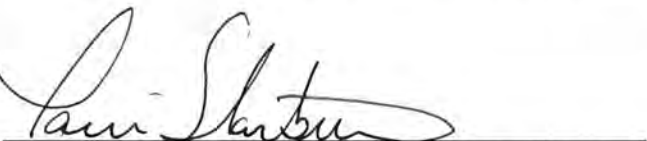
May 19, 2017

That said newspaper was regularly issued and circulated on those dates.

SIGNED:


Clerk

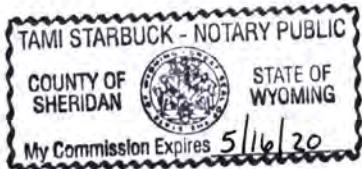
Subscribed to and sworn to me this 19th day of May 2017.


Tami Starbuck, Notary Public, Sheridan County, Wyoming

My commission expires: May 16, 2020

04104134 00081342

Environmental Quality Council
Herschler Bldg., Room 1714
122 West 25th Street
Cheyenne, WY 82002



LEGAL NOTICE

NOTICE OF A PUBLIC HEARING

Pursuant to the provisions of the Wyoming Environmental Quality Act and the Rules of Practice and Procedure of the Department of Environmental Quality, a public hearing relative to the objections to the mining permit application Brook Mine, TFN 6 2/025, Docket No. 17-4802 will be held by the Wyoming Environmental Quality Council beginning at 3:00 p.m. on May 22, 2017 at the Sheridan College, Room TRCC 008 in the Thorne-Rider Campus Center, 3059 Coffeen Avenue, Sheridan, WY.

This hearing will be conducted in accordance with the provisions of Chapter II of the Rules of Practice and Procedure and the Administrative Procedure Act.

This hearing is held pursuant to Sections 35-11-101 through 35-11-2004, W.S. 2017, As Amended, regulations promulgated thereunder, and the Department of Environmental Quality Rules of Practice and Procedure.

A copy of the permit application is available for review in the office of the Department of Environmental Quality, Land Quality Division, Herschler Building, 200 West 17th Street, Cheyenne, WY, and at the Sheridan County Clerk's Office in Sheridan, WY.

In Accordance with the Americans with Disabilities Act, special assistance or alternate formats will be made available upon request for individuals with disabilities. For assistance, please call (307) 777-7170. Publish date: May 19, 2017.

LEGAL NOTICE

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In Accordance with the Americans with Disabilities Act, special assistance or alternate formats will be made available upon request for individuals with disabilities. For assistance, please call (307) 777-7170.

Publish date: May 19, 2017.



SCANNED

AFFP

Hearing for Coal Mining Permit

LQD

JAN - 6 2017

RECEIVED

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF SHERIDAN } SS

Irene L. Nettles, being duly sworn, says:

That she is Clerk of the The Sheridan Press, a daily newspaper of general circulation, printed and published in Sheridan, Sheridan County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

December 07, 2016, December 14, 2016, December 21, 2016, December 28, 2016

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

Irene L. Nettles

Clerk

Subscribed to and sworn to me this 28th day of December 2016.

Tami Starbuck

Tami Starbuck, Notary Public, Sheridan County, Wyoming

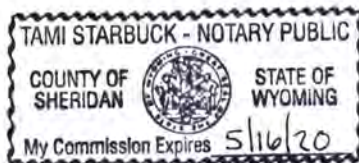
My commission expires: May 16, 2020

Public Notice

The Brook Mining Co., LLC of 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 has applied for a coal mining permit from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in: Sections 10, 11, 12, 13, 14 and 15 Township 57N, Range 85W, and Sections 7, 8, 9, 10, 15, 17, 18, 20, 21, 22 and 27 Township 57N, Range 84W Sheridan County, Wyoming. The Brook Mine is located approximately 6 miles Northwest of Sheridan, Wyoming. This area can be found on the Acme and Monarch USGS quadrangle maps. The proposed operation is scheduled to begin July 2017 and is estimated to continue until 2032. The land, after mining, will be returned to a grazing land use. Information regarding the proposed mining operation and reclamation procedures may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of RAMACO in Sheridan, WY, or the Sheridan County Clerk's Office Sheridan, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Cheyenne, WY 82002, before the close of business January 27, 2017. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. All parties as given in W.S. §35-11-406(j) will be mailed a copy of this notice. The Wyoming Oil and Gas Commission will be mailed a copy of the application mine plan map as required by W.S. §35-11-406(j). Publish dates: December 7, 14, 21, 28, 2016.

02104859 00077484

WWC Engineering
1849 Terra Avenue
SHERIDAN, WY 82801



JAN - 6 2017

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Public Notice

The Brook Mining Co., LLC of 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 has applied for a coal mining permit from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in: Sections 10, 11, 12, 13, 14 and 15 Township 57N, Range 85W, and Sections 7, 8, 9, 10, 15, 17, 18, 20, 21, 22 and 27 Township 57N, Range 84W Sheridan County, Wyoming. The Brook Mine is located approximately 6 miles Northwest of Sheridan, Wyoming. This area can be found on the Acme and Monarch USGS quadrangle maps. The proposed operation is scheduled to begin July 2017 and is estimated to continue until 2032. The land, after mining, will be returned to a grazing land use. Information regarding the proposed mining operation and reclamation procedures may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of RAMACO in Sheridan, WY, or the Sheridan County Clerk's Office Sheridan, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Cheyenne, WY 82002, before the close of business January 27, 2017. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. All parties as given in W.S. §35-11-406(j) will be mailed a copy of this notice. The Wyoming Oil and Gas Commission will be mailed a copy of the application mine plan map as required by W.S. §35-11-406(j).

Publish dates: December 7, 14, 21, 28, 2016.

BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION


IN THE MATTER OF THE Permit to Mine Coal)
PERMIT APPLICATION OF Brook Mining Co., LLC,)
TFN 6 2/025.)

**AFFIDAVIT OF Randall W. Atkins
OF NOTICE**

I, Randall W. Atkins, after being duly sworn upon my oath, deposes and states as follows:

- 1) I am appointed to the office of Chief Executive Officer, for RAMACO. I am submitting this affidavit to comply with the sworn statement requirement in W.S. §35-11-406(j). In my capacity as Chief Executive Officer, I am responsible for ensuring that RAMACO has complied with the notice requirements in W.S. §35-11-406(j) for the above-captioned permit application. This application is for a surface coal mining permit/permit amendment.
- 2) On December 1, 2016, RAMACO received notice from the Department of Environmental Quality, Land Quality Division that it has determined our application is complete and suitable for final publication.
- 3) On December 7, 2016, The Sheridan Press printed the first notice in the required four-week sequence for final publication of this application. On December 7, 2016, WWC Engineering on behalf of RAMACO mailed a copy of the notice to all surface owners of record of the land within the proposed permit area, to all surface owners of record of immediately adjacent lands, and to all surface owners within one-half (1/2) mile of the proposed mining site. On December 5, 2016, WWC Engineering on behalf of RAMACO mailed a copy of the application mining plan map to the Wyoming Oil and Gas Commission.

DATED 12/19/16.



Randall W. Atkins
Chief Executive Officer



STATE OF WYOMING)
COUNTY OF Sheridan) ss.

Subscribed, sworn to and acknowledged before me by (NAME) on this 9th day of Dec, 2016.

[Signature]

Notary Public

My Commission expires: June 18, 2017



MEMORANDUM OF PUBLICATION

The Sheridan Press
144 E. Grinnell Avenue
Sheridan, WY 82801
Phone: (307) 672-2431
Fax: (307) 672-7950
www.sheridanpress.com

Jeff Barron
WWC Engineering
1849 Terra Avenue
SHERIDAN, WY 82801

Class Liner Ad #00077484

Ad Description: Hearing for Coal Mining Permit
Size: 2.00 x 6.74

Publication Cost	\$480.60
Adjustments	\$0.00
Net Cost	\$480.60
Prepaid Amount	\$480.60
Amount Due	\$0.00

Order Detail:

Publication	Run Date	Cost
Insertion	12/7/16	\$120.15
Insertion	12/14/16	\$120.15
Insertion	12/21/16	\$120.15
Insertion	12/28/16	\$120.15

Public Notice

The Brook Mining Co., LLC of 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 has applied for a coal mining permit from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in: Sections 10, 11, 12, 13, 14 and 15 Township 57N, Range 85W, and Sections 7, 8, 9, 10, 15, 17, 18, 20, 21, 22 and 27 Township 57N, Range 84W Sheridan County, Wyoming. The Brook Mine is located approximately 6 miles Northwest of Sheridan, Wyoming. This area can be found on the Acme and Monarch USGS quadrangle maps. The proposed operation is scheduled to begin July 2017 and is estimated to continue until 2032. The land, after mining, will be returned to a grazing land use. Information regarding the proposed mining operation and reclamation procedures may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of RAMACO in Sheridan, WY, or the Sheridan County Clerk's Office Sheridan, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Cheyenne, WY 82002, before the close of business January 27, 2017. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. All parties as given in W.S. §35-11-406(j) will be mailed a copy of this notice. The Wyoming Oil and Gas Commission will be mailed a copy of the application mine plan map as required by W.S. §35-11-406(j).

Publish dates: December 7, 14, 21, 28, 2016.



P

88 THE SHERIDAN PRESS

WEDNESDAY, DECEMBER 7, 2016

quest Motor Parts, Pairs, and not less 336.23; Cedars Health, red (2,500) square 372.00; CH Diagnostics any or four-family analysis, 1,145.00; Coca- Water for Recycling Cer Technologies, Reprogr Bounty, Advertising - it yard depth shall be 336.00; Craftco Metals f a corner lot, the pairs, 164.00; Crescente yard in which the 205.30; Dale Buckingham faces, the depth Proj Mgmt Hallmark Bldget. The other yard Exam cost, 98.00; Danline and the line of manhole covers, 2,749.25 (10) feet in depth. Professional services, 3 yard depth shall be services, 30,371.25; EMH vices Oct 2016, 1,250.00 it is not greater than 2016 - Jan 31, 2017, 934 num width of the ground checks, 960.00; bulding shall be five 13,113.22; Farmers Co-of a common or party piles, 18,203.92; Fastenite family attached supplies, 968.24; Fedex limer of attached PCO Tests, 57.08; First N does not exceed four. pard St water line retight the building Flood Marketing, Contr each side yard shall rett & Company, Geodeth. ground equip), 3,820.00 it be a lot area of not type I & II control servio) square feet for a motor capacitor & wire than two thousand pairs to immersion probe for a two-family terms, IUS Annual Support hundred (800) Hawkins, Chemicals, 5,710.00 multiple dwellings. power Project #4552, 16,100.00 paragraph, (W 5th St Park)-Parks, ice shall for any reas-Honorary-Legislativeable, the invalidity Honnen Equipment, Rean, paragraph, clause or Digital, lcop batteries, 3 the remaining provi-al/stump grind/crane tion being that the Laboratories, Water table. 1,270.00; Jack's Auto B by-laws, resolutions for 2-81, 3,351.27; Jack's conflict with this Or- 32.90; Jadeco, Conduft & the extent of such in-as, 478.50; James H Ha finance retreat, 448.03; ordinance shall be in reimburse, 69.00; John upon its passage and elk feed), 1,680.00; John Clothing, supplies & littED this 17th day of Heath, POV Mileage-NE Bolin, Travel expense reit tract IT support service- Travel expense reimb Travel expense reimb Cantilever bases, signs Office, Legal Service - M Director (City Clerk) Kilpatrick Creations, Em Kinnalrd Law Office, L Knecht Home Center, Pe Double page ad-Internat Equipment, T/A, T/G loc & Design, Reline truck b 3,814.67; Lannan's Sup paint, 114.00; Law Office ence and meeting exp, 1

Legal notice
published?
at
672-2431

claim an interest in said vehicle and/or a reasonable attempt has been made to locate and/or contact all persons known to claim an interest in said vehicle. The proposed sale is to be held at 1450 Industrial Dr. Sheridan, WY on December 20, 2016 at 3 p.m. Publish: November 30, December 7, 2016.

Public Notice

The Brook Mining Co., LLC of 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801 has applied for a coal mining permit from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in: Sections 10, 11, 12, 13, 14 and 15 Township 57N, Range 85W, and Sections 7, 8, 9, 10, 15, 17, 18, 20, 21, 22 and 27 Township 57N, Range 84W Sheridan County, Wyoming. The Brook Mine is located approximately 6 miles Northwest of Sheridan, Wyoming. This area can be found on the Acme and Monarch USGS quadrangle maps. The proposed operation is scheduled to begin July 2017 and is estimated to continue until 2032. The land, after mining, will be returned to a grazing land use. Information regarding the proposed mining operation and reclamation procedures may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of RAMACO in Sheridan, WY, or the Sheridan County Clerk's Office Sheridan, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Cheyenne, WY 82002, before the close of business January 27, 2017. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. All parties as given in W.S. §35-11-406(j) will be mailed a copy of this notice. The Wyoming Oil and Gas Commission will be mailed a copy of the application mine plan map as required by W.S. §35-11-406(j). Publish dates: December 7, 14, 21, 28, 2016.

YOUR ELECTED OFFICIALS |

CITY



John Heath
Mayor
307-675-4223



Bob Rolston
Chairman
Commissioner
307-674-2900



Paul Foll
Assessor
307-674-2525



Matt Redle
County
Attorney
307-674-2580

STATE



Matt Mead
Governor
307-777-7434



Rosie Dwyer
Representative
House Dist. 51
307-672-7600



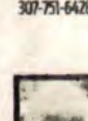
Mark Jennings
Representative
House Dist. 30
307-461-0697



Dave Kleskey
Senator
Senate Dist. 22
307-751-6428



Mike Madden
Representative
House Dist. 40
307-684-9356



Mark Kloner
Representative
House Dist. 29
307-674-4777



Bruce Burns
Senator
Senate Dist. 21
307-672-6491



Scanned, 02/26/2020

AFFP

NOTICE The Brook Mining Co., LL

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF SHERIDAN } SS

Rena L. Appel, being duly sworn, says:

That she is Clerk of the The Sheridan Press, a daily newspaper of general circulation, printed and published in Sheridan, Sheridan County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

November 08, 2014, November 15, 2014

t said newspaper was regularly issued and circulated
hose dates.

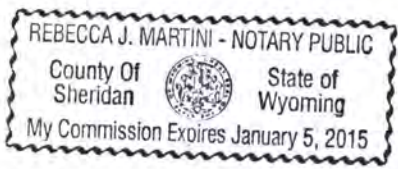
SIGNED:

Rena Appel
Clerk

Subscribed to and sworn to me this 15th day of November
2014.

Rebecca J. Martini
Rebecca J. Martini, Notary Public, Sheridan County,

My commission expires: January 05, 2015

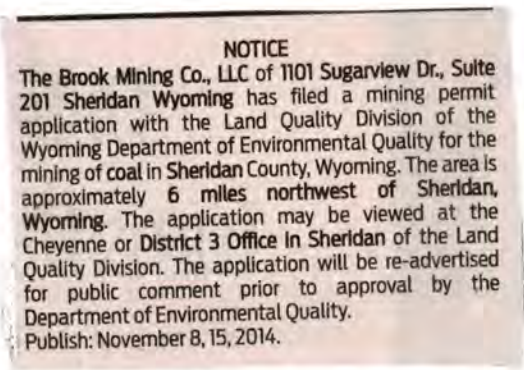


02104859 00057910

WWC Engineering
1849 Terra Avenue
SHERIDAN, WY 82801

NOTICE

The Brook Mining Co., LLC of 1101 Sugarview Dr., Suite 201 Sheridan Wyoming has filed a mining permit application with the Land Quality Division of the Wyoming Department of Environmental Quality for the mining of coal in Sheridan County, Wyoming. The area is approximately 6 miles northwest of Sheridan, Wyoming. The application may be viewed at the Cheyenne or District 3 Office in Sheridan of the Land Quality Division. The application will be re-advertised for public comment prior to approval by the Department of Environmental Quality.
Publish: November 8, 15, 2014.



LQD

NOV 26 2014

RECEIVED

62/025

MEMORANDUM OF PUBLICATION

The Sheridan Press
144 E. Grinnell Avenue
Sheridan, WY 82801
Phone: (307) 672-2431
Fax: (307) 672-7950
www.sheridanpress.com

WWC Engineering
 1849 Terra Avenue
 SHERIDAN, WY 82801
 (307)672-0761

Class Liner Ad #00057910 Summary:

Ad Description: NOTICE The Brook
 Mining Co., LL
 Size: 2.00 x 2.49

Publication Cost	\$89.00
Adjustments	\$0.00
Net Cost	\$89.00
Prepaid Amount	\$0.00
Amount Due	\$89.00

Order Detail:

Publication	Run Date	Cost
Insertion	11/8/14	\$44.50
Insertion	11/15/14	\$44.50

NOTICE

The Brook Mining Co., LLC of 1101 Sugarview Dr., Suite 201 Sheridan Wyoming has filed a mining permit application with the Land Quality Division of the Wyoming Department of Environmental Quality for the mining of coal in Sheridan County, Wyoming. The area is approximately 6 miles northwest of Sheridan, Wyoming. The application may be viewed at the Cheyenne or District 3 Office in Sheridan of the Land Quality Division. The application will be re-advertised for public comment prior to approval by the Department of Environmental Quality.

Publish: November 8, 15, 2014.

LQD
 NOV 21 2014
 RECEIVED

2nd AVS

Application Evaluation

Application Number

TFN62/025 SEQ:0

Applicant Name

255677 Brook Mining Co LLC

Date of Request

12/2/2016 10:50:09 AM

Requestor

Guest

CAUTION: The Applicant/Violator System (AVS) is an informational database. Permit eligibility determinations are made by the regulatory authority with jurisdiction over the permit application not by the AVS. Results which display outstanding violations may not include critical information about settlements or other conditions that affect permit eligibility. Consult the AVS Office at 800-643-9748 for verification of information prior to making decisions on these results.

There were no violations retrieved by the system

Evaluation OFT

Entities: 10

253436 Yorktown Energy Partners IX LP - ()
 ----159223 Bryan H Lawrence - (Manager)
 ----159223 Bryan H Lawrence - (Partner)
 ----159224 W Howard Keenan Jr - (Manager)
 ----159224 W Howard Keenan Jr - (Partner)
 ----247070 Tomas R LaCosta - (Manager)
 ----247071 Robert A Signorino - (Manager)
 ----252902 Ramaco LLC - (Subsidiary Company)
 ----126787 Michael Dale Bauersachs - (Director)
 ----126787 Michael Dale Bauersachs - (Member)
 ----126787 Michael Dale Bauersachs - (President)
 ----126787 Michael Dale Bauersachs - (Secretary)
 ----159223 Bryan H Lawrence - (Director)
 ----159224 W Howard Keenan Jr - (Director)
 ----253435 Randall W Atkins - (Chairman of the Board)
 ----253435 Randall W Atkins - (Chief Executive Officer)
 ----253435 Randall W Atkins - (Director)
 ----255677 Brook Mining Co LLC - (Subsidiary Company)
 ----126787 Michael Dale Bauersachs - (Manager)
 ----126787 Michael Dale Bauersachs - (President)
 ----126787 Michael Dale Bauersachs - (Secretary)
 ----253435 Randall W Atkins - (Chairman of the Board)
 ----253435 Randall W Atkins - (Chief Operations Officer)
 ----253435 Randall W Atkins - (Manager)
 ----258344 Peter A Liedel - (Manager)

Narrative

2. The Applicant, and any other surface right and mineral right holder that is a corporation or partnership are listed as follows:

- Brook Mining Co., LLC:
 - Address: 250 West Main Street, Suite 210, Lexington, KY 40507
 - Sole Member: Ramaco, LLC, 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801
 - Manager/Chairman/CEO: Randall W. Atkins, 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801
 - Manager/President/Secretary: Michael D. Bauersachs, 250 West Main Street, Suite 210, Lexington, KY 40507
 - Registered Agent: Throne Law Office, P.C., 424 North Main Street, Suite 201, Sheridan, WY 82801
- Ramaco Wyoming Coal Co., LLC:
 - Address: 250 West Main Street, Suite 210, Lexington, KY 40507
 - Sole Member: Ramaco, LLC, 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801
 - Manager/Chairman/CEO: Randall W. Atkins, 1101 Sugarview Drive, Suite 201, Sheridan, WY 82801
 - Manager/President/Secretary: Michael D. Bauersachs, 250 West Main Street, Suite 210, Lexington, KY 40507
 - Registered Agent: Throne Law Office, P.C., 424 North Main Street, Suite 201, Sheridan, WY 82801
- Padlock Ranch Company
 - Address: 8420 Highway 14, Ranchester, WY 82839
 - Registered Agent: Wayne Fahsholtz, 8420 Highway 14, Ranchester, WY 82839
- Big Horn Coal Company
 - Address: 170 South Main Street, Suite 700, Salt Lake City, UT 84101
 - Registered Agent: C T Corporation System, 1712 Pioneer Avenue 120, Cheyenne, WY 82001
 - President/Director: Everett King, 170 South Main Street, Suite 700, Salt Lake City, UT 84101
 - Secretary: John Thomas, 170 South Main Street, Suite 700, Salt Lake City, UT 84101
 - Treasurer: Darin Adlard, 170 South Main Street, Suite 700, Salt Lake City, UT 84101

MEMORANDUM

To: Dave Myers, Dave Schellinger, Deanna Hill, Doug Emme, Matt Kunze, Muthu Kuchanur, Stacy Page, Jamie Jakes, Kim Medina

From: Bj Kristiansen

Date: November 13, 2014

Re: Brook Mining Co., LLC; Brook Mine Coal Mine Permit Application, **TFN 6 2/025**

LQD

NOV 17 2014

RECEIVED

The RAMACO Coal Mine Permit Application was received in the LQD, District III Office on Thursday, October 30, 2014. Mark Rogaczewski and myself examined the 12 volume document for Completeness and found three minor deficiencies. The deficiencies were addressed and corrected on Monday, November 3. The document was deemed Complete and was time stamped on the same date.

I am requesting your assistance in determining if this document is technically accurate and complete. The following Sections of the document are assigned based on your field of expertise:

VOLUME	SECTION	DESCRIPTION	ASSIGNED STAFF
Volume I and II		Adjudication	Deanna Hill
Volume III	Appendix D1	Land Use	Dave Myers, Dave Schellinger
	Appendix D2	History	Wyoming SHPO
	Appendix D3	Archeological Resources	Wyoming SHPO
	Appendix D4	Climatology	Dave Myers
Volume IV	Appendix D5	Topography	Dave Myers
		Geology	Myself, Kim Medina
		Overburden Assessment	Dave Schillinger
Volume V	Appendix D6	Hydrology-surface	Dave Myers, Matt Kunze
		Hydrology-groundwater	Muthu Kuchanur, Myself, Kim Medina
		CHIA	Matt Kunze, Muthu Kuchanur
Volume VI	Appendix D7	Soil Resources Assessment	Dave Schellinger
Volume VII	Appendix D8	Vegetation	Stacey Page, Jamie Jakes
Volume VIII	Appendix D9	Wildlife	USFWS, WGF
Volume IX	Appendix D10	Wetlands	US Army Corps of Engineers
Volume X	Appendix D11	AVF	Dave Myers, Myself

Handwritten signature/initials

Scanned, 02/26/2020

VOLUME	SECTION	DESCRIPTION	ASSIGNED STAFF
Volume XI	Appendix D11	Mine Plan	Staff
Volume XII	Appendix D12	Reclamation Plan	Doug Emme - Reclamation Bond Staff

Since we time stamped the Mine Permit Application, the 150 day review deadline will occur on April 3, 2015. I would appreciate it if you could complete your technical reviews approximately 3 to 4 weeks ahead of the deadline. There is quite a bit more material for me to coordinate since this is a new permit application and I suspect it will take me longer to tie up all the loose ends.

Please contact me if there is a problem with the review and we can work out alternative schedules, if necessary. The documents are in the library at this moment. I am also going to receive an electronic copy of all the permit components, including narrative and maps, and I will make that available on the server for those who prefer to examine the document electronically.

Sincerely,

Bj Kristiansen, PG
Natural Resources Program Principal
LQD - District III

/bk

cc: Cheyenne LQD files

LQD
NOV 17 2014
RECEIVED

Interim AVS Check

Done: February 27, 2020

By: Karin Lea Quigley

Entity Evaluation**There were no violations retrieved by the system**Entity
Number: 255677Entity
Name: Brook Mining Co LLCDate Of
Narrative: 2/27/2020 4:38:18 PM

Requestor: karin.quigley@wyo.gov

CAUTION: The Applicant/Violator System (AVS) is an informational database. Permit eligibility determinations are made by the regulatory authority with jurisdiction over the permit application not by the AVS. Results which display outstanding violations may not include critical information about settlements or other conditions that affect permit eligibility. Consult the AVS Office at 800-643-9748 for verification of information prior to making decisions on these results.

Violation Type	Violation Number	Violation Entities	Permit Number	Permitted State	Violation Status	Violation Date
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Evaluation OFT

Entities: 16

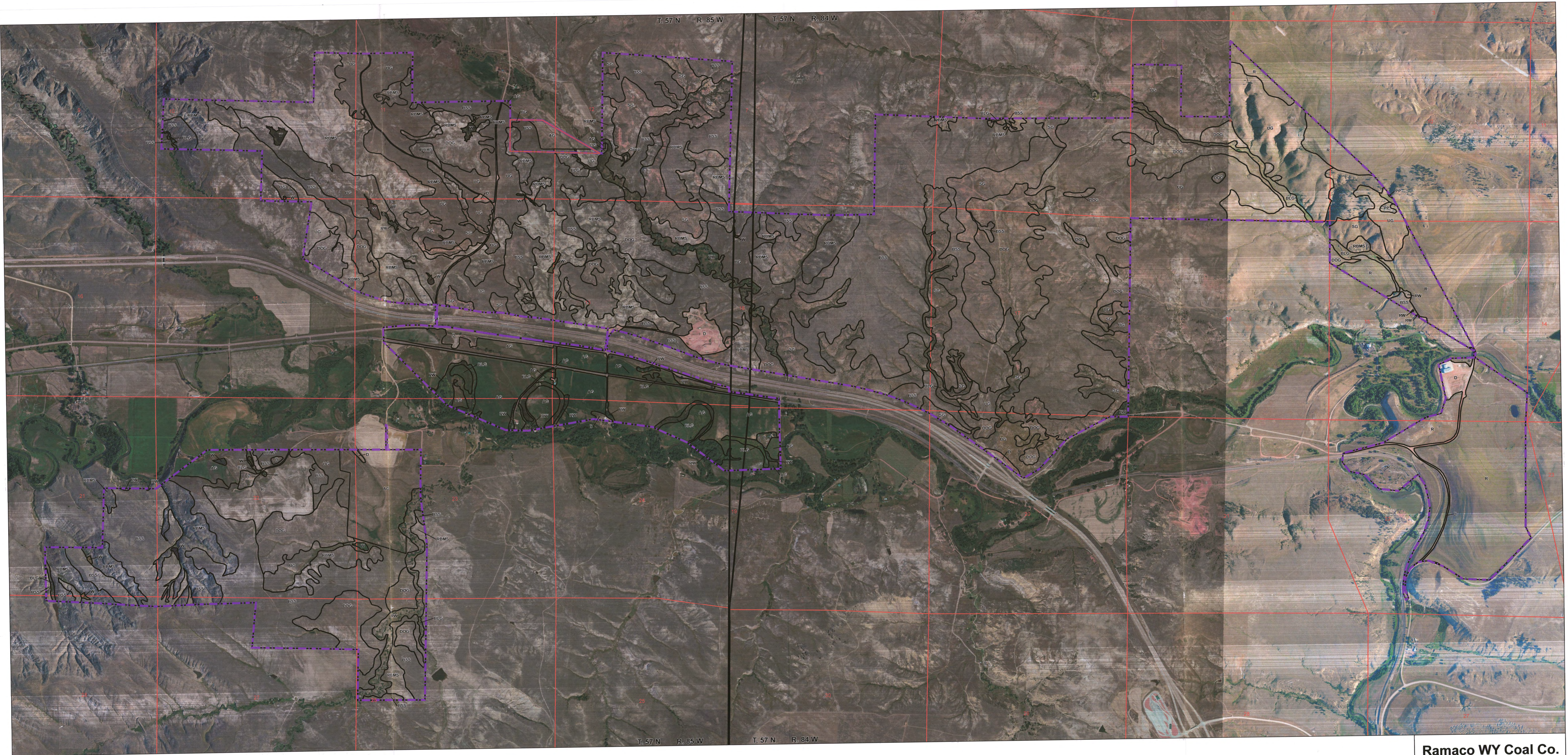
253443 Yorktown IX Associates LLC - ()
 ---159223 Bryan H Lawrence - (Manager)
 ---159223 Bryan H Lawrence - (Shareholder)
 ---159224 W Howard Keenan Jr - (Manager)
 ---159224 W Howard Keenan Jr - (Shareholder)
 ---247069 Peter A Leidel - (Manager)
 ---247069 Peter A Leidel - (Shareholder)
 ---247070 Tomas R LaCosta - (Manager)
 ---247070 Tomas R LaCosta - (Member)
 ---247071 Robert A Signorino - (Manager)
 ---247071 Robert A Signorino - (Member)
 ---253632 Yorktown IX Company LP - (Subsidiary Company)
 -----159223 Bryan H Lawrence - (Partner)
 -----159224 W Howard Keenan Jr - (Partner)
 -----253436 Yorktown Energy Partners IX LP - (Subsidiary Company)
 -----159223 Bryan H Lawrence - (Manager)
 -----159223 Bryan H Lawrence - (Partner)
 -----159224 W Howard Keenan Jr - (Manager)
 -----159224 W Howard Keenan Jr - (Partner)
 -----247069 Peter A Leidel - (Manager)
 -----247070 Tomas R LaCosta - (Manager)
 -----247071 Robert A Signorino - (Manager)

DEQ Ex. 7-061

-----252902 Ramaco LLC - (Subsidiary Company)
-----126787 Michael Dale Bauersachs - (Director)
-----126787 Michael Dale Bauersachs - (Member)
-----126787 Michael Dale Bauersachs - (President)
-----126787 Michael Dale Bauersachs - (Secretary)
-----159223 Bryan H Lawrence - (Director)
-----159224 W Howard Keenan Jr - (Director)
-----253435 Randall W Atkins - (Chairman of the Board)
-----253435 Randall W Atkins - (Chief Executive Officer)
-----253435 Randall W Atkins - (Director)
-----255677 Brook Mining Co LLC - (Subsidiary Company)
-----126787 Michael Dale Bauersachs - (Manager)
-----126787 Michael Dale Bauersachs - (President)
-----126787 Michael Dale Bauersachs - (Secretary)
-----135447 Mark Allen Clemens - (Vice President)
-----253435 Randall W Atkins - (Chairman of the Board)
-----253435 Randall W Atkins - (Chief Operations Officer)
-----253435 Randall W Atkins - (Manager)
-----253435 Randall W Atkins - (Treasurer)
-----260596 Ramaco Coal LLC - (Subsidiary Company)
-----126787 Michael Dale Bauersachs - (Member)
-----126787 Michael Dale Bauersachs - (President)
-----126787 Michael Dale Bauersachs - (Secretary)
-----253435 Randall W Atkins - (Chief Executive Officer)
-----253435 Randall W Atkins - (Member)
-----260597 Ramaco Carbon LLC - (Subsidiary Company)
-----126787 Michael Dale Bauersachs - (President)
-----253435 Randall W Atkins - (Chief Executive Officer)
-----255677 Brook Mining Co LLC - (Subsidiary Company)
-----126787 Michael Dale Bauersachs - (Manager)
-----126787 Michael Dale Bauersachs - (President)
-----126787 Michael Dale Bauersachs - (Secretary)
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-----253435 Randall W Atkins - (Chairman of the Board)
-----253435 Randall W Atkins - (Chief Operations Officer)
-----253435 Randall W Atkins - (Manager)
-----253435 Randall W Atkins - (Treasurer)
---260082 Bryan R Lawrence - (Member)

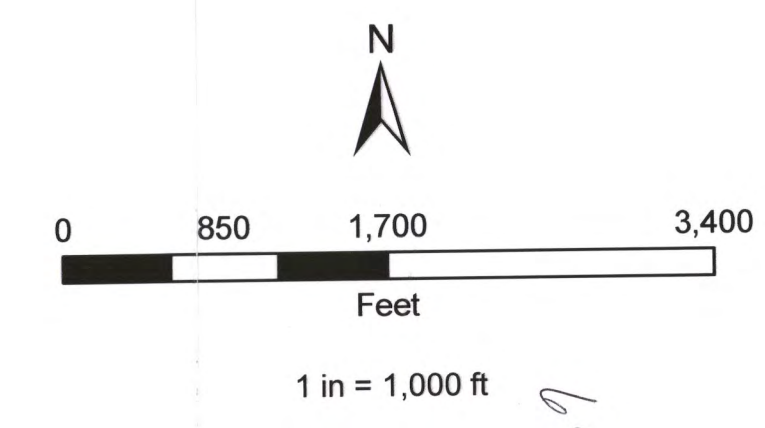
Narrative

2/27/2020 - There were no violations retrieved by the system. LPM



- LEGEND**
- No Access Area
 - Vegetation Polygons
 - Ramaco_Permit_Boundary
 - TWN/RNG Boundary
 - Section Boundary

Vegetation Communities	
Map Symbol	Map units
AG	Agricultural Land
BLG	Bottomland Grassland
BSS	Big Sagebrush Shrubland
D	Disturbed
DOG	Prairie Dog Modified Grassland
PP	Ponderosa Pine & Juniper Woodlands
R	Reclaimed
RBMS	Rough Breaks Mixed Shrubland
RW	Riparian Woodland
SG	Scoria Grassland
UG	Upland Grassland
W	Water



6/1/25

RECEIVED
AUG 2 8 2013


LOD

Ramaco WY Coal Co.

*Ramaco Surface Coal Mine
Baseline Vegetation Assessment
Vegetation Community Map
Sheridan County, Wyoming*

Map Created by: BKS - Jason Boucher
Date Modified: Aug 20, 2013
Map Projection: NAD 83, UTM 213
K:\Projects\Ramaco\B16_Ramaco_
Baseline_2013\Map\Ramaco_
BH_Veg_Map_v6



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY													
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.		<p>A. Signature x Valerie Spanas <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>													
1. Article Addressed to: Tom Laya P.O. Box 6750 Sheridan, WY 82801		B. Received by (Printed Name) Valerie Spanas	C. Date of Delivery 1-30												
 9590 9402 4550 8278 8532 56		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No													
2. Article Number (Transfer from service label) 7018 0130 0000 6941 0869		3. Service Type <table border="0"><tr><td><input type="checkbox"/> Adult Signature</td><td><input type="checkbox"/> Priority Mail Express®</td></tr><tr><td><input type="checkbox"/> Adult Signature Restricted Delivery</td><td><input type="checkbox"/> Registered Mail™</td></tr><tr><td><input type="checkbox"/> Certified Mail®</td><td><input type="checkbox"/> Registered Mail Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Certified Mail Restricted Delivery</td><td><input type="checkbox"/> Return Receipt for Merchandise</td></tr><tr><td><input type="checkbox"/> Collect on Delivery</td><td><input type="checkbox"/> Signature Confirmation™</td></tr><tr><td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td><td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td></tr></table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery														
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt													

SCANNED
&
UPLOADED

TFNS 2/025
REC'D MAR 04, 2019

6980 1469 0000 DETT 9106

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT <i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <u>Tom Laya</u>	
Street and Apt. No., or PO Box No. <u>P.O. Box 6750</u>	
City, State, ZIP+4® <u>Shenandoah, WY 82801</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

TFNG 2/025
REC'D MAR 04, 2019

January 23, 2018

Tom Laya
P.O. Box 6750
Sheridan WY, 82801

RE: Potential Well Impact

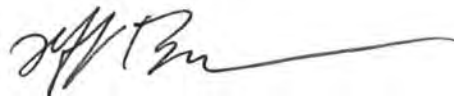
Dear Mr. Laya:

As part of the mine permit application for the Brook Mine, the rules and regulations require that the mine evaluates any potential groundwater impacts. This evaluation is presented in Section MP 6 of the Mine Plan for the Application. Section MP6.2.1 of the Brook Mine permit application TFN 6 2/025 states *"there are eight wells that have the potential to be impacted by mine activities. Five wells are completed in the Tongue River alluvium. As discussed in Mine Plan Section 25, there is no hydrologic connection between the coal being mined and the Tongue River alluvium in this area. Well P144442 appears to be completed in alluvial gravels from 125 feet to 170 feet and located within a mine panel. This well may be impacted due to proximity to the mine panel."* Below is a list of the 8 SEO well permits as they are listed in Section MP6.2.1 and highlighted are wells associated with your property. I have also enclosed copies of the SEO permits for your use. On behalf of Brook Mine, I am reaching out to you to obtain the information on water level elevation, available water column data, and GPS location if it is feasible to do so.

- P144442W (Overburden/Alluvial)
- P118684W (Tongue River Alluvial)
- P119576W (Tongue River Alluvial)
- P120822W (Tongue River Alluvial)
- P71814W (Coal)
- P8410W (Interburden)
- P84927W (Tongue River Alluvial)
- P93497W (Tongue River Alluvial)

Please contact me with a time I can collect the necessary information if you so desire. If you do not wish for us to collect this data please provide me a letter that states your desire for the mine not to collect this information.

Sincerely,



Jeff Barron, P.E.
Project Engineer

JB/hjr
Attachment: as noted

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002
(307) 777-6163

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and/or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

PERMIT NO. U.W. 144442
WATER DIVISION NO. 22 DISTRICT 5
U.W. DISTRICT Sheridan Co.

Temporary Filing No. U.W. 34-9-14

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING St. Francis No. 3

1. Name of applicant(s) St. Francis Land Co. Phone: 307-655-9812
2. Address of applicant(s) 91 Keel Rd. Ranchester WY 82839
(MAILING ADDRESS) (CITY) (STATE) (ZIP)
3. Name & address of agent to receive correspondence and notices Joyce J. Laya
Same (MAILING ADDRESS) (CITY) (STATE) (ZIP) Phone: _____

4. Use to which the water will be applied:

- ☒ Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less. Number of houses served? 1
- ☒ Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks? 1
- ☐ Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- ☐ Municipal: Use of water in incorporated Towns and Cities (use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. are classified as miscellaneous use).
- ☐ Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- ☐ Miscellaneous: Any use of water not defined under previous definitions such as stockwater pipelines, subdivisions, mine dewatering, mineral / oil exploration drilling, potable supplies in office, etc. Describe in remarks.
- ☐ Coal Bed Methane Water produced in production of coal bed methane gas.
- ☐ Monitor, Observation or ☐ Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/4 NW 1/4 of Sec. 12, Township 14 North, Range 68 West.)
Sheridan County, NE 1/4 SW 1/4 of Sec. 10, T. 57 N., R. 85 W. of the 6th P.M. (W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot/Tract _____ Block _____ of the _____ Subdivision (or Add'n) of _____ Resurvey Location: Tract _____, (or Lot) _____

6. Estimated depth of the well or spring is 100 feet.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic and / or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 1 acre foot
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below.

TABULATION BOX

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTAL
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
<u>57</u>	<u>85</u>	<u>10</u>																	<u>X Point of Use</u>

9. If for irrigation use: N/A

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: N/A

Permit No. U.W. 144442

SEE REVERSE SIDE

DEQ Ex. 7-067

1070

Page No. 18

TFNG 2V025
REC'D MAR 04, 2013

Scanned, 03/03/2020

Scanned, 03/03/2020

11. The well or spring is to be constructed on lands owned by St. Francis Land Co.
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)
12. The water is to be used on lands owned by St. Francis Land Co.
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.)
NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: The Location of the well is still approximate, but will be in the approximate vicinity of the recorded location to within a few hundred feet.

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Joyce L. Loya May 9th, 2002
Signature of Applicant or Authorized Agent Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES \$25.00
(Domestic use is defined as use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less)

IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS, COAL BED METHANE \$50.00

MONITOR (For water level measurements or chemical quality sampling) or TEST WELL NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 10th day of May, A.D. 20 02, at 09:30 o'clock A. M.

Permit No. U.W. 144442 Jeffrey L. Davis
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

Coal Bed Methane wells have Additional Conditions and Limitations on attachment sheet.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 20 03.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 15th day of May, A.D. 20 02.

for Cheryl Veplance
PATRICK T. TYRRELL, State Engineer

September 16, 2002 - Statement of Completion on July 25, 2002 received.
Beneficial Use assumed as of date of completion.

MICRO FILMED AUG 12 2003

SCANNED JUN 18 2014 DEQ Ex. 7-068 TFNG 2/025 REGD MAR 04, 2019

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and/or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

PERMIT NO. U.W. 119576
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co.

Temporary Filing No. U.W. 28-8-221

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING St. Francis No. 1

1. Name of applicant(s) St. Francis Land Co. Phone: 307-655-9812

2. Address of applicant(s) 91 Kooi Road Ranchester WY 82839
(MAILING ADDRESS) (CITY) (STATE) (ZIP)

3. Name & address of agent to receive correspondence and notices Joyce F. Laya
Same as above (MAILING ADDRESS) (CITY) (STATE) (ZIP) Phone: _____

4. Use to which the water will be applied:

- ☒ Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less. Number of houses served? 1.
- ☒ Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks? 1.
- ☐ Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- ☐ Municipal: Use of water in incorporated Towns and Cities (use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. are classified as miscellaneous use).
- ☐ Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- ☐ Miscellaneous: Any use of water not defined under previous definitions such as stockwater pipelines, subdivisions, mine dewatering, mineral / oil exploration drilling, potable supplies in office, etc. Describe in remarks.
- ☐ Coal Bed Methane Water produced in production of coal bed methane gas
- ☐ Monitor, Observation or ☐ Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/4 NW 1/4 of Sec. 12, Township 14 North, Range 68 West.)
Sheridan County, NE 1/4 SW 1/4 of Sec. 14, T. 57 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____ Block _____ of the _____ Subdivision (or Add'n) of _____ Resurvey Location: Tract _____, (or Lot) _____.

6. Estimated depth of the well or spring is 100 feet.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic and / or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 1 AF
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below.

TABULATION BOX

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTAL
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
<u>57</u>	<u>85</u>	<u>14</u>																	

9. If for irrigation use:

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: _____

Permit No. U.W. 119576

SEE REVERSE SIDE

DEQ Ex. 7-069

Book No. 903 Page No. 127

TFNS 2/025
REC'D MAR 04, 2019

11. The well or spring is to be constructed on lands owned by St. Francis Land Co.
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)
12. The water is to be used on lands owned by St. Francis Land Co.
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.)
NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Joyce J. Loya 12 Oct, 19 99
Signature of Applicant or Authorized Agent Date
THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES \$25.00
(Domestic use is defined as use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less.)

IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS, COAL BED METHANE. \$50.00

MONITOR (For water level measurements or chemical quality sampling) or TEST WELL NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 14th day of October, A.D. 99, at 9:30 o'clock a M.

Permit No. U.W. 119576

[Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

Coal Bed Methane wells have Additional Conditions and Limitations on attachment sheet.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 2000

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 20th day of Oct., A.D. 19 99.

[Signature]
Gordon W. Fassett, State Engineer

SEP 29 '00

NOTICE OF EXPIRATION OF TIME FOR COMPLETION AND COMPLETION OF BENEFICIAL USE

MICRO FILMED

DEC 01 2000

DEQ Ex. 7-070

TFN62/025

REGD MAR 04, 2019

PERMIT NO. U.W. 119576

PERMIT STATUS

Priority Date October 14, 1999 Approval Date October 20, 1999

October 12, 2000 - Statement of Completion on January 6, 2000 received.
Beneficial use assumed as of date of completion.

RECEIVED

AUG 14 2000

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and/or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

PERMIT NO. U.W. 120822
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co.

Temporary Filing No. U.W. 28-12-305

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING St. Francis No. 2

1. Name of applicant(s) St. Francis Land Co. Phone: 301-655-9812
2. Address of applicant(s) 81 Kooi Road, Rochester, WY. 82839
(MAILING ADDRESS) (CITY) (STATE) (ZIP)
3. Name & address of agent to receive correspondence and notices Joyce J. Laya
same as above (MAILING ADDRESS) (CITY) (STATE) (ZIP) Phone: _____

4. Use to which the water will be applied:

- ☒ Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less. Number of houses served? 1.
- ☒ Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks? 1.
- ☐ Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- ☐ Municipal: Use of water in incorporated Towns and Cities (use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. are classified as miscellaneous use).
- ☐ Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- ☐ Miscellaneous: Any use of water not defined under previous definitions such as stockwater pipelines, subdivisions, mine dewatering, mineral / oil exploration drilling, potable supplies in office, etc. Describe in remarks.
- ☐ Coal Bed Methane Water produced in production of coal bed methane gas
- ☐ Monitor, Observation or ☐ Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/4 NW 1/4 of Sec. 12, Township 14 North, Range 68 West.)
Sheridan County, NE 1/4, SW 1/4 of Sec. 14, T. 51 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____ Block _____ of the Subdivision (or Add'n) of _____ Resurvey Location: Tract _____ (or Lot) _____.

6. Estimated depth of the well or spring is 100 feet.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic and / or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 1AF
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below.

TABULATION BOX

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTAL
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
<u>51</u>	<u>85</u>	<u>14</u>																	

9. If for irrigation use:

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: _____

Permit No. U.W. 120822

SEE REVERSE SIDE

DEQ Ex. 7-072

Book No.

912

Page No.

23

TFNS 2/025

REC'D MAR 04, 2019

11. The well or spring is to be constructed on lands owned by ST Francis Land Co.
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)
12. The water is to be used on lands owned by ST. Francis Land Co.
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.)
NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Jorge J. Lopez Signature of Applicant or Authorized Agent 16th Nov. Date, 19 99
THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES \$25.00
(Domestic use is defined as use of water in 3 single family dwellings or less,
noncommercial watering of lawns and gardens totalling one acre or less.)

IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS, COAL BED METHANE. \$50.00

MONITOR (For water level measurements or chemical quality sampling) or TEST WELL NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 17th day of November, A.D. 19 99, at 9:45 o'clock A M.

Permit No. U.W. 120822

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

Coal Bed Methane wells have Additional Conditions and Limitations on attachment sheet.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 20 00

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 29th day of Nov., A.D. 19 99

Gordon W. Fassett State Engineer

SEP 29 2000

NOTICE OF EXPIRATION OF TIME FOR COMPLETION AND COMPLETION OF BENEFICIAL USE MAILED

MICRO FILMED

NOV 17 2000

TFNS 2/025

REC'D MAR 04, 2019

DEQ Ex. 7-073

Scanned, 03/03/2020

Scanned, 03/03/2020

PERMIT NO. U.W. 120822

PERMIT STATUS

Priority Date November 17, 1999 Approval Date November 29, 1999

October 12, 2000 - Statement of Completion on January 7, 2000 received.
Beneficial use assumed as of date of completion.

APPROVED
BY

AUG 14 2001

SCANNED 03/03/2020

TFNS 2/025
RECD MAR 04, 2019

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>John and Gaylene Johnson P.O. Box 424 Ranchester, WY 82839</p>		<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>7018 3090 0001 1557 6294</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery</p>		<p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

TFNG 2/025
REC'D MAR 04, 2019

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Sheridan, WY 82801

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RETURN TO SENDER
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NAME 424
1ST NOTICE 11-24
2ND N 1/20
RET 2/8

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TFNS 2/025
RECD MAR 04, 2019

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<input type="checkbox"/> Return Receipt (electronic) \$	
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<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
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Street and Apt. No., or PO Box No. <u>P.O. Box 424</u>	
City, State, ZIP+4® <u>Randolph, WV 26839</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

TFNS 2/025
REC'D MAR 04, 2013

January 23, 2018

John and Gaylene Johnson
P.O. Box 424
Ranchester WY, 82839**RE: Potential Well Impact**

Dear Mr. and Mrs. Johnson:

As part of the mine permit application for the Brook Mine, the rules and regulations require that the mine evaluates any potential groundwater impacts. This evaluation is presented in Section MP 6 of the Mine Plan for the Application. Section MP6.2.1 of the Brook Mine permit application TFN 6 2/025 states *"there are eight wells that have the potential to be impacted by mine activities. Five wells are completed in the Tongue River alluvium. As discussed in Mine Plan Section 25, there is no hydrologic connection between the coal being mined and the Tongue River alluvium in this area and therefore no impacts to these wells is anticipated. Well P8410 is completed in several formations from 108 feet to 150 feet including an unknown water bearing coal from 124 feet to 131 feet. This unknown coal is below the coal that will be mined. Therefore, there should be no impacts due to mining on this well."* Below is a list of the 8 SEO well permits as they are listed in Section MP6.2.1 and highlighted are wells associated with your property. I have also enclosed copies of the SEO permits for your use. On behalf of Brook Mine, I am reaching out to you to obtain the information on water level elevation, available water column data, and GPS location if it is feasible to do so.

- P144442W (Overburden/Alluvial)
- P118684W (Tongue River Alluvial)
- P119576W (Tongue River Alluvial)
- P120822W (Tongue River Alluvial)
- P71814W (Coal)
- P8410W (Interburden)
- P84927W (Tongue River Alluvial)
- P93497W (Tongue River Alluvial)

Please contact me with a time I can collect the necessary information if you so desire. If you do not wish for us to collect this data please provide me a letter that states your desire for the mine not to collect this information.

Sincerely,

Jeff Barron, P.E.
Project EngineerJB/hjr
Attachment: as noted

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
HERSCHLER BLDG., 4-E CHEYENNE, WYOMING 82002

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

APPLICATION FOR WELLS AND SPRINGS

Note: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic and/or stock watering, will be considered as ground water appropriations.

FOR OFFICE USE ONLY

PERMIT NO. U.W. 118684
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co

Temporary Filing No. U.W. 28-6-138

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.

ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE

NAME AND NUMBER OF WELL or SPRING Johnson No. 2

1. Name of applicant(s) John L. & Gaylene Johnson Phone: 655-2410
2. Address of applicant(s) P.O. Box 424 Ranchester WY 82839
(MAILING ADDRESS) (CITY) (STATE) (ZIP)
3. Name & address of agent to receive correspondence and notices Same As Above
(MAILING ADDRESS) (CITY) (STATE) (ZIP) Phone: _____

4. Use to which the water will be applied:

- ☐ Domestic: Use of water in 3 single family dwellings or less, noncommercial watering of lawns and gardens totalling one acre or less. Number of houses served? _____
- ☒ Stock Watering: Normal livestock use at four tanks or less within one mile of well or spring. Stockwatering pipelines and commercial feedlots are a miscellaneous use. Number of stock tanks? 1
- ☐ Irrigation: Watering of commercially grown crops (large-scale lawn watering of golf courses, cemeteries, recreation areas, etc., is miscellaneous use).
- ☐ Municipal: Use of water in incorporated Towns and Cities (use of water in unincorporated towns, subdivisions, improvement districts, mobile home parks, etc. are classified as miscellaneous use).
- ☐ Industrial: Long term use of water for the manufacture of a product or production of oil/gas or other minerals (oil field water flood operations, power plant water supply, etc.). (Describe in REMARKS)
- ☐ Miscellaneous: Any use of water not defined under previous definitions such as stockwater pipelines, subdivisions, mine dewatering, mineral / oil exploration drilling, reclamation purposes, potable and sanitary supplies in offices or light manufacturing, animal waste management, etc. Describe miscellaneous use completely: _____
- ☐ Monitor, Observation or ☐ Test Well: (Describe in REMARKS)

5. Location of the well or spring: (NOTE: Quarter-quarter (40 acre subdivision) MUST be shown. EXAMPLE: SE 1/4 NW 1/4 of Sec. 12, Township 14 North, Range 68 West.)
Sheridan County, SE 1/4 SE 1/4 of Sec. 14, T. 57 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____ Block _____ of the _____ Subdivision (or Add'n) of _____ Resurvey Location: Tract _____ (or Lot) _____

6. Estimated depth of the well or spring is 10 feet.

7. (a) MAXIMUM instantaneous flow of water to be developed and beneficially used: 25 gallons per minute.
NOTE: If for domestic and / or stock use, this application will be processed for a maximum of 25 gallons per minute. For a spring, after approval of this application, some type of artificial diversion or improvement must be constructed to qualify for a water right.

(b) MAXIMUM volumetric quantity of water to be developed and beneficially used per calendar year: 1 AF
Circle appropriate units: (Gallons) (Acre Feet) A four person family utilizes approximately one (1) acre-foot of water per year or 325,000 gallons.

8. Mark the point(s) or area(s) of use in the tabulation box below.

TABULATION BOX

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTAL
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
<u>57</u>	<u>85</u>	<u>14</u>																<u>X</u>	

9. If for irrigation use:

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation box above.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.

10. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.: _____

TFNS 2/025

REC'D MAR 04, 2013

Scanned, 03/03/2020

Scanned, 03/03/2020

11. The well or spring is to be constructed on lands owned by John L. & Gaylene Johnson
(The granting of a permit does not constitute the granting of right-of-way. If any easement or right-of-way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not the co-applicant.)
12. The water is to be used on lands owned by John L. & Gaylene Johnson
(If the landowner is not the applicant, a copy of the agreement relating to the usage of appropriated water on the land should be submitted to this office. If the landowner is included as co-applicant on the application, this procedure need not be followed.)
NOTE: Water rights attach to the area(s) and/or point(s) of use.

REMARKS:

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

John L. Johnson
Signature of Applicant or Authorized Agent

07 Sep, 19 99
Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES \$25.00
(Domestic use is defined as use of water in 3 single family dwellings or less.
noncommercial watering of lawns and gardens totalling one acre or less.)

IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS \$50.00

MONITOR (For water level measurements or chemical quality sampling) or TEST WELL NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 9th day of September, A.D. 1999, at 9 o'clock a. M.

118684

Permit No. U.W.

[Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use without loss of water into sub-surface formations or at the land surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well or spring. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 2000.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 14th day of Sept. A.D. 19 99.

[Signature]
State Engineer
for

SEP 29 '00

NOTICE OF EXPIRATION OF TIME FOR COMPLETION
AND COMPLETION OF BENEFICIAL USE REQUIRED
MICRO FILMED DEC 01 2000

DEQ Ex. 7-080

TFNG 2/025
REGD MAR 04, 2019

PERMIT NO. U.W. 118684

PERMIT STATUS

Priority Date September 9, 1999

Approval Date September 14, 1999

September 27, 2000 - Statement of Completion on August 29, 2000 received.

Beneficial Use assumed as of date of completion.

MICRO
FILMED

FEB 05 2001

SCANNED JAN 26 2014

TFNS 2/025
RECD MAR 04, 2019

MICRO FILMED JAN 27 1994

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FOR OFFICE USE ONLY

Temporary Filing No. U.W. 23-1-127

PERMIT NO. U.W. 93497
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co.

NOTE: Do not fold this form. Use typewriter
or print neatly with black ink.
**ALL ITEMS MUST BE COMPLETED
BEFORE APPLICATION IS ACCEPTABLE.**

NAME AND NUMBER OF WELL Johnson #1

1. Name of applicant(s) JOHN L. & GAYLENE JOHNSON Phone: 655-2410
2. Address of applicant(s) P.O. Box 424 RANNESTER, WY Zip: 82839
3. Name & address of agent to receive correspondence and notices - SAME -

4. Use to which the water will be applied: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐
Industrial ☐ Miscellaneous ☐ (Describe completely and accurately) _____

5. Location of the well: (NOTE: Quarter-quarter (40-acre subdivision) MUST be shown. EXAMPLE: SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 12, Township 14 North, Range 68 West.)
County, SHERIDAN County, SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 14
T. S7 N., R. E5 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, **also** provide Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____

6. Mark the well location on the section grid to the right. LOCATION SHOWN IN ITEM 5 MUST AGREE WITH GRID. If the proposed well is for irrigation use, sketch and label all irrigation ditches and canals, stream, reservoirs and other wells. Indicate the point of use or lands to be irrigated from other sources.

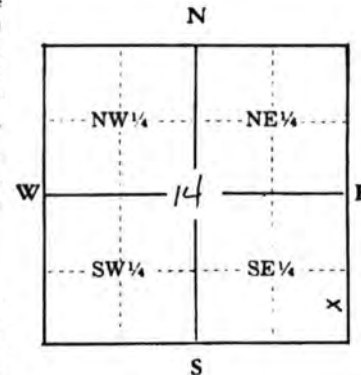
7. Estimated depth of the well is 90 feet.

8. MAXIMUM quantity of water to be developed and beneficially used: 25 gallons per minute. NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute. SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stockwatering, will be considered as ground water appropriations. After approval of this application, some type of artificial diversion must be constructed to qualify for a water right.

9. If use is not irrigation, mark the point(s) or area(s) of use in the tabulation below.

10. If for irrigation use:

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation below.
- b. | | Land will be irrigated from this well only.
- c. | | Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.

[illegible]

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.

Permit No. U.W. 93497

SEE REVERSE SIDE

Book No. 715 Page No. 98

DEQ Ex. 7-082

TFNS 2/025

RECEIVED FEB 04, 2013

12. The well is to be constructed on lands owned by JOHN L. & GAYLENE JOHNSON
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)
13. The water is to be used on lands owned by - SAME
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS:

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

x John L. Johnson Gaylene Johnson 11/19/93, 19 93
Signature of Applicant or Authorized Agent Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES (Domestic use is defined as a single-family dwelling and the watering of lawns and gardens not exceeding one (1) acre)	\$10.00
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS	\$25.00
MONITOR (For water level measurements or chemical quality sampling)	NO FEE

IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 22nd day of November, A. D. 19 93, at 10:00 o'clock A. M.
Permit No. U.W. 93497

[Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 94.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 30th day of Nov., A.D. 19 93.

[Signature]
State Engineer

June 16, 1994 - Notice of Commencement on May 19, 1994 received.

June 16, 1994- Statement of Completion on May 30, 1994 received.
Beneficial use assumed as of date of completion.

KAI MICROL FILMET OCT 31 1994
SCANNED AUG 05 2013

TFNS 2/025
REGD MAR 04, 2013

OFFICE OF THE STATE ENGINEER

Temporary Filing No. U.W. -1-10

U.W. DISTRICT Shenandoah County

- [illegible]

REMARKS: _____

Book No. 47 Page No. 56

Scanned, 03/03/2020

Scanned, 03/03/2020

Permit No. U.S. 5410

10. The well is to be constructed on lands owned by L...
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)
11. The water is to be used on lands owned by ...
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

(Signed) L...
(Applicant)

THE STATE OF WYOMING
County of Shoshone } ss.

I hereby certify that the foregoing application was signed in my presence and sworn to before me by L... this 13 day of March, 1971.
My Commission Expires ... My Commission ... 1971 Delmar R. Montano
Notary Public

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING
STATE ENGINEER'S OFFICE } ss.

This instrument was received and filed for record on the ... day of ..., A. D. 19..., at ... o'clock ... M.
Sylvia H. Ross
State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into subsurface formations or at the surface.

- Approval of this application may be considered as authorization to proceed with construction of the proposed well.
- Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.
- Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 1973.
- The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.
- Witness my hand this 20th day of March, A. D. 1971

Floyd A. Bishop
State Engineer

NOTICE OF COMMENCEMENT WAIVED - Statement of Completion received prior to expiration of time for commencement.
March 17, 1971 - Statement of Completion on March 9, 1971 received.
Beneficial use assumed as of date of completion and/or Item 11 of Form U.S. 7.

SCANNED DEC 19 2011

TENS 2/025
REC'D MAR 04, 2019



1849 Terra Avenue • Sheridan, WY 82801
Phone: 307-672-0761 • Fax: 307-674-4265
www.wwcengineering.com

January 23, 2018

Mr. Leroy Taylor
HC 31 1703 Highway 345
Ranchester WY, 82839

RE: Potential Well Impact

Dear Mr. Taylor:

As part of the mine permit application for the Brook Mine, the rules and regulations require that the mine evaluates any potential groundwater impacts. This evaluation is presented in Section MP 6 of the Mine Plan for the Application. Section MP6.2.1 of the Brook Mine permit application TFN 6 2/025 states *"there are eight wells that have the potential to be impacted by mine activities. Five wells are completed in the Tongue River alluvium. As discussed in Mine Plan Section 25, there is no hydrologic connection between the coal being mined and the Tongue River alluvium in this area. Well P71814 is completed in both the Carney and Masters coal as indicated by the log. The coal to be mined is located higher in elevation and north of an inferred fault. Therefore, there should be no impacts in this well due to mining."* Below is a list of the 8 SEO well permits as they are listed in Section MP6.2.1 and highlighted are wells associated with your property. I have also enclosed copies of the SEO permits for your use. On behalf of Brook Mine, I am reaching out to you to obtain the information on water level elevation, available water column data, and GPS location if it is feasible to do so.

- P144442W (Overburden/Alluvial)
- P118684W (Tongue River Alluvial)
- P119576W (Tongue River Alluvial)
- P120822W (Tongue River Alluvial)
- **P71814W (Coal)**
- P8410W (Interburden)
- **P84927W (Tongue River Alluvial)**
- P93497W (Tongue River Alluvial)

Please contact me with a time I can collect the necessary information if you so desire. If you do not wish for us to collect this data please provide me a letter that states your desire for the mine not to collect this information.

Sincerely,

Jeff Barron, P.E.
Project Engineer

JB/hjr
Attachment: as noted

DEQ Ex. 7-086

TFNS 2/025
REGD MAR 04, 2019

Innovation
Quality
Value

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
BARRETT BUILDING
CHEYENNE, WYOMING 82002

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

FOR OFFICE USE ONLY

Temporary Filing No. U.W.

PERMIT NO. U.W. 71814
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co.

NOTE: Do not fold this form. Use typewriter or print neatly with black ink.
ALL ITEMS MUST BE COMPLETED BEFORE APPLICATION IS ACCEPTABLE.

NAME AND NUMBER OF WELL LEGERSKI RANCH NO. 1

1. Name of applicant(s) LEGERSKI RANCH Phone: 672-8750
2. Address of applicant(s) Box 6498 SHERIDAN, WYO. Zip: 82801
3. Name & address of agent to receive correspondence and notices _____
WALT PILCH Box 6498 SHERIDAN, WYO. 82801

1. Use to which the water will be applied: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐
Industrial ☐ Miscellaneous ☐ (Describe completely and accurately) _____

5. Location of the well: (NOTE: Quarter-quarter (40-acre subdivision) MUST be shown. EXAMPLE: SE¼NW¼ of Sec. 12, Township 14 North, Range 68 West.)
SHERIDAN County, NE ¼ NW ¼ of Sec. 24.
S 7 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____.

6. Mark the well location on the section grid to the right. LOCATION SHOWN IN ITEM 5 MUST AGREE WITH GRID. If the proposed well is for irrigation use, sketch and label all irrigation ditches and canals, stream, reservoirs and other wells. Indicate the point of use or lands to be irrigated from other sources.

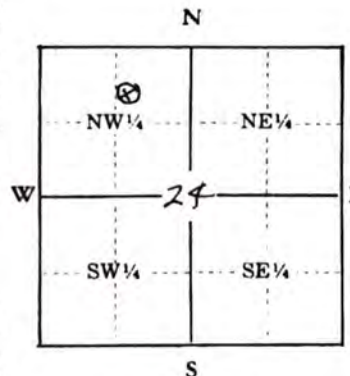
7. Estimated depth of the well is 190 feet.

8. MAXIMUM quantity of water to be developed and beneficially used: 15 gallons per minute. NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute. SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stockwatering, will be considered as ground water appropriations. After approval of this application, some type of artificial diversion must be constructed to qualify for a water right.

9. If use is not irrigation, mark the point(s) or area(s) of use in the tabulation below.

10. If for irrigation use:

- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation below.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.

[illegible]

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.

Permit No. U.W. 71814

SEE REVERSE SIDE

Book No. 498 Page No. 42

DEQ Ex. 7-087

TFNS 2/025
RECD MAR 04, 2013

12. The well is to be constructed on lands owned by LEBERSKI RANCH
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)
13. The water is to be used on lands owned by LEBERSKI RANCH
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

Walter Dean
Signature of Applicant or Authorized Agent

2-4
Date

, 19 86

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES (Domestic use is defined as a single-family dwelling and the watering of lawns and gardens not exceeding one (1) acre)	\$10.00
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS	\$25.00
MONITOR (For water level measurements or chemical quality sampling)	NO FEE
IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.	

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)

) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 7th day of February, A. D. 1986, at 9:00 o'clock AM.

Permit No. U.W. 71814

[Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 19 87.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 7th day of Feb, A.D. 19 86

[Signature]
State Engineer
for

April 17, 1986 - Notice of Commencement on February 8, 1986 received.
April 17, 1986 - Statement of Completion on March 26, 1986 received.
Beneficial use assumed as of date of completion.

MICROFILMED JUL 9 '86

SCANNED MAR 29 2013
TFNS 2/025

REGD MAR 04, 2013

DEQ Ex. 7-088

MICRO FILMED JUL 10 '91

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

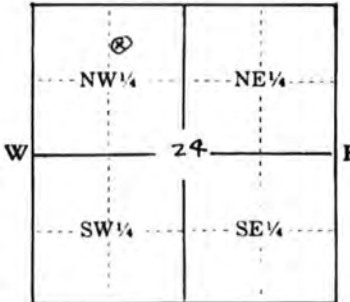
FOR OFFICE USE ONLY

Temporary Filing No. U.W.

PERMIT NO. U.W. 84927
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Shoridan Co.

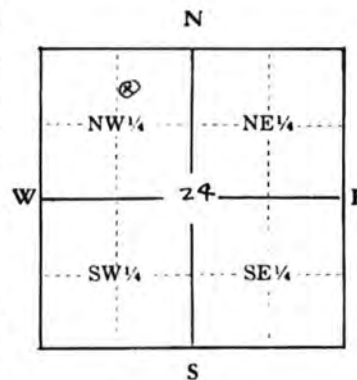
NOTE: Do not fold this form. Use typewriter
or print neatly with black ink.
**ALL ITEMS MUST BE COMPLETED
BEFORE APPLICATION IS ACCEPTABLE.**

NAME AND NUMBER OF WELL LEGERSKI RANCH HDQ NO. 1

1. Name of applicant(s) LEGERSKI RANCH Phone: 672-8750
2. Address of applicant(s) 90 WALT RICH RD 6498 SHERIDAN, WYO Zip: 82801
3. Name & address of agent to receive correspondence and notices ABOVE
4. Use to which the water will be applied: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐
Industrial ☐ Miscellaneous ☐ (Describe completely and accurately) RANCH HEADQUARTERS
5. Location of the well: (NOTE: Quarter-quarter (40-acre subdivision) MUST be shown. EXAMPLE: SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 12, Township 14 North, Range 68 West.)
SHERIDAN County, NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 24
T. 57 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____.
6. Mark the well location on the section grid to the right. LOCATION SHOWN IN ITEM 5 MUST AGREE WITH GRID. If the proposed well is for irrigation use, sketch and label all irrigation ditches and canals, stream, reservoirs and other wells. Indicate the point of use or lands to be irrigated from other sources.
7. Estimated depth of the well is 10 feet.
8. MAXIMUM quantity of water to be developed and beneficially used: 20 gallons per minute. NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute. SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stock watering, will be considered as ground water appropriations. After approval of this application, some type of artificial diversion must be constructed to qualify for a water right.
9. If use is not irrigation, mark the point(s) or area(s) of use in the tabulation below.
10. If for irrigation use:
- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation below.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.
- 

Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.

[illegible]

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.

84927

SEE REVERSE SIDE

630

28

Permit No. U.W. _____

Book No. _____ Page No. 28**DEQ Ex. 7-089**

TFNS 2/025

REC'D MAR 04, 2013

12. The well is to be constructed on lands owned by LEGERSKI RANCH
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)
13. The water is to be used on lands owned by LEGERSKI RANCH
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

[Signature]
Signature of Applicant or Authorized Agent

April 18, 1991
Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES	\$10.00
(Domestic use is defined as a single-family dwelling and the watering of lawns and gardens not exceeding one (1) acre)	
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS	\$25.00
MONITOR (For water level measurements or chemical quality sampling)	NO FEE
IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.	

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.

STATE ENGINEER'S OFFICE)

This instrument was received and filed for record on the 22nd day of April, A.D. 1991, at 11:00 o'clock A.M.

Permit No. U.W. 84927

[Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.

Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.

Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 1992.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 26th day of April, A.D. 1991.

[Signature]
State Engineer

May 06, 1991 - Notice of Commencement on April 27, 1991 received.

May 06, 1991 - Statement of Completion on April 30, 1991 received. Beneficial Use assumed as of date of completion.

MICRO FILMED AUG 19 1991

SCANNED MAY 15 2013

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>Leroy D. Taylor</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>		
<p>1. Article Addressed to:</p> <p><i>LEROY TAYLOR</i> <i>TAYLOR INVESTMENTS LLC</i> <i>HCS1 1703 Hwy 345</i> <i>Ranchester, WY 82839</i></p>	<p>B. Received by (Printed Name) <i>LEROY D. TAYLOR</i></p> <p>C. Date of Delivery <i>1-24-19</i></p>		
<p>2. Article Number (Transfer from service label)</p> <p><i>7018 3090 10001 1557 6300 11</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>		
<p>9590 9402 4550 8278 8532 49</p>	<p>3. Service Type</p> <table border="0"> <tr> <td> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) </td> <td> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery </td> </tr> </table>	<input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>			
<p>Domestic Return Receipt</p>			

Scanned, 03/03/2020

Scanned, 03/03/2020

00E9 455T 1000 060E 9102

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
<i>Domestic Mail Only</i>	
For delivery information, visit our website at www.usps.com ®	
OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <u>Taylor Investments</u>	
Street and Apt. No., or PO Box No. <u>HC 31-RT03-Hwy 345</u>	
City, State, ZIP+4® <u>Ranchester, WV 26039</u>	
PS Form 3800, April 2015 PSN 7530-02-000-9047-1-1 See Reverse for Instructions.	

TFMS 2/025
REC'D MAR 04, 2019

January 23, 2018

Mr. Leroy Taylor
HC 31 1703 Highway 345
Ranchester WY, 82839**RE: Potential Well Impact**

Dear Mr. Taylor:

As part of the mine permit application for the Brook Mine, the rules and regulations require that the mine evaluates any potential groundwater impacts. This evaluation is presented in Section MP 6 of the Mine Plan for the Application. Section MP6.2.1 of the Brook Mine permit application TFN 6 2/025 states *"there are eight wells that have the potential to be impacted by mine activities. Five wells are completed in the Tongue River alluvium. As discussed in Mine Plan Section 25, there is no hydrologic connection between the coal being mined and the Tongue River alluvium in this area. Well P71814 is completed in both the Carney and Masters coal as indicated by the log. The coal to be mined is located higher in elevation and north of an inferred fault. Therefore, there should be no impacts in this well due to mining."* Below is a list of the 8 SEO well permits as they are listed in Section MP6.2.1 and highlighted are wells associated with your property. I have also enclosed copies of the SEO permits for your use. On behalf of Brook Mine, I am reaching out to you to obtain the information on water level elevation, available water column data, and GPS location if it is feasible to do so.

- P144442W (Overburden/Alluvial)
- P118684W (Tongue River Alluvial)
- P119576W (Tongue River Alluvial)
- P120822W (Tongue River Alluvial)
- **P71814W (Coal)**
- P8410W (Interburden)
- **P84927W (Tongue River Alluvial)**
- P93497W (Tongue River Alluvial)

Please contact me with a time I can collect the necessary information if you so desire. If you do not wish for us to collect this data please provide me a letter that states your desire for the mine not to collect this information.

Sincerely,

Jeff Barron, P.E.
Project EngineerJB/hjr
Attachment: as noted

STATE OF WYOMING
OFFICE OF THE STATE ENGINEER
BARRETT BUILDING
CHEYENNE, WYOMING 82002

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

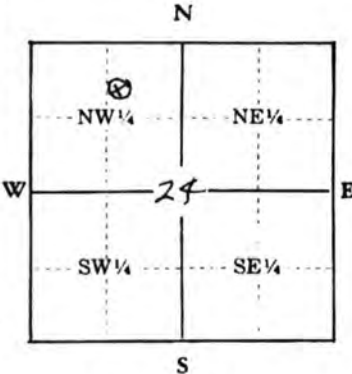
FOR OFFICE USE ONLY

Temporary Filing No. U.W.

PERMIT NO. U.W. 71814
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Sheridan Co.

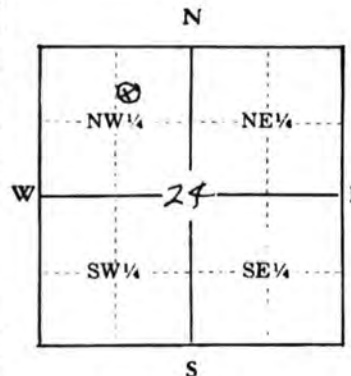
NOTE: Do not fold this form. Use typewriter
or print neatly with black ink.
**ALL ITEMS MUST BE COMPLETED
BEFORE APPLICATION IS ACCEPTABLE.**

NAME AND NUMBER OF WELL LEGEESKI RANCH NO. 1

1. Name of applicant(s) LEBERSKI RANCH Phone: 672-8750
2. Address of applicant(s) Box 6498 SHERIDAN, WYO. Zip: 82801
3. Name & address of agent to receive correspondence and notices _____
WALT PILCH Box 6498 SHERIDAN, WYO. 82801
4. Use to which the water will be applied: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐
Industrial ☐ Miscellaneous ☐ (Describe completely and accurately) _____
5. Location of the well: (NOTE: Quarter-quarter (40-acre subdivision) MUST be shown. EXAMPLE: SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 12, Township 14 North, Range 68 West.)
SHERIDAN County, NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 24
T. 5 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located in a platted subdivision, also provide Lot _____, Block _____ of the _____ Subdivision (or Add'n) of _____.
6. Mark the well location on the section grid to the right. LOCATION SHOWN IN ITEM 5 MUST AGREE WITH GRID. If the proposed well is for irrigation use, sketch and label all irrigation ditches and canals, stream, reservoirs and other wells. Indicate the point of use or lands to be irrigated from other sources.
7. Estimated depth of the well is 190 feet.
8. MAXIMUM quantity of water to be developed and beneficially used: 15 gallons per minute. NOTE: If for domestic or stock use, this application will be processed for a maximum of 25 gallons per minute. SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed use is domestic or stockwatering, will be considered as ground water appropriations. After approval of this application, some type of artificial diversion must be constructed to qualify for a water right.
9. If use is not irrigation, mark the point(s) or area(s) of use in the tabulation below.
10. If for irrigation use:
- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation below.
- b. ☐ Land will be irrigated from this well only.
- c. ☐ Land is irrigated from existing water right(s) with water from this well to be additional supply. Describe existing water right(s) under REMARKS.
- 

Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.

[illegible]

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.

Permit No. U.W. 71814

SEE REVERSE SIDE

Book No. 498 Page No. 42

DEQ Ex. 7-094

TFNS 2/025
REGD MAR 04, 2019

- REMARKS: _____

Signature of Applicant or Authorized Agent Walter Dean Date 2-4, 1986

DEQ Ex. 7-095

MICRO FILMED JUL 10 '91

APPLICATION FOR PERMIT TO APPROPRIATE GROUND WATER

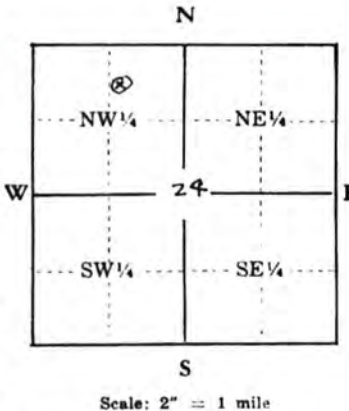
FOR OFFICE USE ONLY

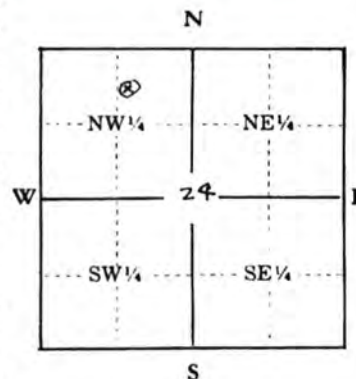
Temporary Filing No. U.W. 21-12-288

PERMIT NO. U.W. 84927
WATER DIVISION NO. 2 DISTRICT 5
U.W. DISTRICT Shoridan Co.

**NOTE: Do not fold this form. Use typewriter
or print neatly with black ink.
ALL ITEMS MUST BE COMPLETED
BEFORE APPLICATION IS ACCEPTABLE.**

NAME AND NUMBER OF WELL. LEGERSKI RANCH HDD NO. 1

1. Name of applicant(s) LEGERSKI RANCH Phone: 672-8750
2. Address of applicant(s) PO BOX 6498 SHERIDAN, WYO Zip: 82801
3. Name & address of agent to receive correspondence and notices ABOVE
4. Use to which the water will be applied: Domestic ☒ Stock Watering ☐ Irrigation ☐ Municipal ☐
Industrial ☐ Miscellaneous ☐ (Describe completely and accurately) RANCH HEADQUARTERS
5. Location of the well: (NOTE: Quarter-quarter (40-acre subdivision) MUST be shown. EXAMPLE: SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 12, Township 14 North, Range 68 West.)
SHERIDAN County, NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 24,
T. 57 N., R. 85 W. of the 6th P.M. (or W.R.M.), Wyoming. If located
in a platted subdivision, also provide Lot _____, Block _____ of the
_____ Subdivision (or Add'n) of _____.
6. Mark the well location on the section grid to the right. LOCATION SHOWN IN
ITEM 5 MUST AGREE WITH GRID. If the proposed well is for irrigation use, sketch
and label all irrigation ditches and canals, stream, reservoirs and other wells. Indicate
the point of use or lands to be irrigated from other sources.
7. Estimated depth of the well is 10 feet.
8. MAXIMUM quantity of water to be developed and beneficially
used: 20 gallons per minute. NOTE: If for domestic or stock use,
this application will be processed for a maximum of 25 gallons per minute.
SPRINGS: Only springs flowing 25 gallons per minute or less, where the proposed
use is domestic or stockwatering, will be considered as ground water appropriations.
After approval of this application, some type of artificial diversion must be con-
structed to qualify for a water right.
9. If use is not irrigation, mark the point(s) or area(s) of use in the tabulation below.
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- a. Describe MAXIMUM acreage to be irrigated in each 40 acre subdivision in the tabulation below.
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right(s) under REMARKS.
- 



Scale: 2" = 1 mile

Above diagram represents one full section. Locate well accurately in small square representing 40 ac.

[illegible]

11. If for irrigation use, describe method of irrigation, i.e. center pivot sprinkler, flood, etc.

84927

SEE REVERSE SIDE

630

28

Permit No. U.W. _____

Book No. _____ Page No. 28**DEQ Ex. 7-096**

REC'D MAR 04, 2013

Scanned, 03/03/2020

Scanned, 03/03/2020

12. The well is to be constructed on lands owned by LEGERSKI RANCH
(The granting of a permit does not constitute the granting of right of way. If any easement or right of way is necessary in connection with this application, it should be understood that the responsibility is the applicant's. A copy of the agreement should accompany this application, if the land is privately owned and the owner is not a co-applicant.)
13. The water is to be used on lands owned by LEGERSKI RANCH
(If landowner is not the applicant, a copy of the agreement relating to usage of appropriated water on the land should be submitted to this office. If the landowner is included as a co-applicant on the application, this procedure need not be followed.)

REMARKS: _____

Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief it is true, correct and complete.

[Signature] _____ April 18, 1991
Signature of Applicant or Authorized Agent Date

THE LEGALLY REQUIRED FILING FEE MUST ACCOMPANY THIS APPLICATION

DOMESTIC AND/OR STOCK WATERING USES	\$10.00
(Domestic use is defined as a single-family dwelling and the watering of lawns and gardens not exceeding one (1) acre)	
IRRIGATION, MUNICIPAL, INDUSTRIAL, MISCELLANEOUS	\$25.00
MONITOR (For water level measurements or chemical quality sampling)	NO FEE
IF WELL WILL SERVE MULTIPLE USES, SUBMIT ONLY ONE (THE HIGHER) FILING FEE.	

THIS SECTION IS NOT TO BE FILLED IN BY APPLICANT

THE STATE OF WYOMING)
) ss.
STATE ENGINEER'S OFFICE)
This instrument was received and filed for record on the 22nd day of April, A. D. 1991, at 11:00 o'clock A. M.
Permit No. U.W. 84927 [Signature]
for State Engineer

THIS IS TO CERTIFY that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This application is approved subject to the condition that the proposed use shall not interfere with any existing rights to ground water from the same source of supply and is subject to regulation and correlation with surface water rights, if the ground and surface waters are interconnected. The use of water hereunder is subject to the further provisions of Chapter 169, Session Laws of Wyoming, 1957, and any subsequent amendments thereto.

Granting of a permit does not guarantee the right to have the water level or artesian pressure in the well maintained at any specific level. The well should be constructed to a depth adequate to allow for the maximum development and beneficial use of ground water in the source of supply.

If the well is a flowing artesian well, it shall be so constructed and equipped that the flow may be shut off when not in use, without loss of water into surface formations or at the surface.

Approval of this application may be considered as authorization to proceed with construction of the proposed well.
Construction of well will begin within one (1) year from date of approval. A Statement of Completion will be filed within thirty (30) days of completion of construction, including pump installation.
Completion of construction and completion of the beneficial use of water for the purposes specified in Item 4 of this application will be made by December 31, 1992.

The amount of appropriation shall be limited to the quantity to which permittee is entitled as determined at time of proof of application of water to beneficial use.

Witness my hand this 26th day of April, A.D. 1991.
[Signature]
State Engineer

May 06, 1991 - Notice of Commencement on April 27, 1991 received.
May 06, 1991 - Statement of Completion on April 30, 1991 received. Beneficial Use assumed as of date of completion. MICRO FILMED AUG 19 91 SCANNED MAY 15 2013

TFNS 2/025
REC'D MAR 04, 2013

2013-2019 Ramaco Groundwater Master Well and Core List

	2013 Water Elevations				2014 Water Elevations				2015 Water Elevations				2016 Water Elevations				2018 Water Elevations				2019 Water Elevations				2013 Sampling				2014 sampling			
Well Name	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
578511-CRN			X	X	X	X											X										X	X	X	X		
578511-MST			X	X	X	X											X										X	X				
578513-MST			X	X	X	X											X										X	X	X	X		
578512-AL			X	X	X	X	X	X					X	X			X										X	X	X	XX	X	
578513-AL			X	X	X	X	X	X					X	X			X										X	X	X	XX	X	
578418-AL			X	X	X	X	X	X					X	X			X										X	X				
578417-CRN			X	X	X	X											X										X	X	X	X		
578408-MST			X	X	X	X											X										X	X	X	X		
578408-CRN			X	X	X	X											X										X	X	X	X		
578409-MST			X	X	X	X																					X	X	X	X		
578409-CRN-OB			X	X	X	X																					X	X	X	X		
578409-UBN			X	X	X	X																						X	X	X		
578415-MST-CRN			X	X	X	X																					X	X	X	X		
578409-CRN			X	X	X	X																										
578409-MST-OB			X	X	X	X																										
578417-MST			X	X	X	X											X															
578418-CRN			X	X	X	X											X															
578418-MST			X	X	X	X											X															
578510-CRN			X	X	X	X																										
578510-MST			X	X	X	X																										
578512-CRN			X	X	X	X											X															
578512-MST			X	X	X	X											X															
578513-CRN			X	X	X	X											X															
578421-2-CRN-MAS										X	X	X	X																			
578421-2-MON										X	X	X	X																			
578421-3-CRN-MAS										X	X	X	X																			
578421-CRN-MAS										X	X	X	X																			
578421-MON										X	X	X	X																			
578428-CRN-MAS										X	X	X	X																			
578428-MON										X	X	X	X																			
578434-CRN-MAS										X	X	X	X																			
578434-D3										X	X	X	X																			
578434-MON										X	X	X	X																			
578435-CRN-MAS										X	X	X	X																			
578435-D1										X	X	X	X																			
578435-D2										X	X	X	X																			
578435-D3										X	X	X	X																			
578435-MON										X	X	X	X																			
578435-ROLAND										X	X	X	X																			
578435-SMITH										X	X	X	X																			
578433-AL-1											X	X	X	X			X															
578434-AL-1											X	X	X	X			X															
578434-AL-2											X	X	X	X			X															
578524-AL-1																	X	X	X													
578415-SPL-1																		X	X	X	X											
578415-SPL-2																		X	X	X	X											
578420-AL-1																		X	X	X	X											
578524-CRN-PUMP-1																		X		X												
578420-CRN-PUMP-1																			X	X	X											
578513-0VB-1																			X	X	X											
578513-5																																
R13-019																																

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2013-2019 Ramaco Groundwater Master Well and Core List (cont)																				
Well Name	2015 sampling				2016 sampling				2018 sampling				2019 sampling				Slug out test	pump test	Permeability	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			Cores	
578511-CRN																	3/14/18			
578511-MST																	3/14/18			
578513-MST																	3/12/18			
578512-AL					X	X											3/12/18			
578513-AL					X	X											3/13/18			
578418-AL																	3/13/18			
578417-CRN																	3/7/18			
578408-MST																	3/9/18			
578408-CRN																	3/9/18			
578409-MST																		11/12/13		
578409-CRN-OB																		11/14/13		
578409-UBN																				
578415-MST-CRN																				
578409-CRN																		11/14/13		
578409-MST-OB																		11/12/13		
578417-MST																	5/7/18			
578418-CRN																	3/9/18			
578418-MST																				
578510-CRN																				
578510-MST																				
578512-CRN																				
578512-MST																	3/12/18			
578513-CRN																				
578421-2-CRN-MAS		X	X	X	X															
578421-2-MON			X																	
578421-3-CRN-MAS		X	X	X	X												6/6/18			
578421-CRN-MAS			X	X	X															
578421-MON		X		X	X															
578428-CRN-MAS		X	X	X	X															
578428-MON		X	X	X	X															
578434-CRN-MAS		X			X															
578434-D3		X	X	X	X															
578434-MON		X	X	X	X															
578435-CRN-MAS		X		X	X															
578435-D1		X	X	X	X															
578435-D2		X	X	X	X															
578435-D3		X	X	X	X															
578435-MON		X	X	X	X															
578435-ROLAND		X	X	X	X															
578435-SMITH		X	X	X	X															
578433-AL-1			X	X	X	X											3/15/18			
578434-AL-1			X	X	X	X											3/15/18			
578434-AL-2			X	X	X	X											4/19/18			
578524-AL-1									X	XX	X	X						6/7/18		
578415-SPL-1										X	X	X	X				5/31/18			
578415-SPL-2										X	X	X	X							
578420-AL-1										X	X	X	X				7/3/18	6/21/18		
578524-CRN-PUMP-1										X								6/7/18		
578420-CRN-PUMP-1										X	XX	X	X					6/21/18		
578513-QVB-1											X	X	X							
578513-5																			11/2/17	
R13-019																			11/7/17	
R13-033																			11/2/17	